



## ПРОГРАММА

# II International Conference on Advances in Materials, Systems and Technologies - CAMSTech-II 2021 - II Международная конференция CAMSTech-II 2021: Современные достижения в области материаловедения и технологий

### Section 1. Materials science, innovative systems and technologies

Camstech-II-1001	Theoretical features of the formation of the rolling surface of the rail heads during grinding	V.G. Rakhcheev, I.S. Maksimov, S.A. Galanskiy, A.G. Mustafin and A.L. Zolkin	Samara State Transport University, Samara; Povolzhskiy State University of Telecommunications and Informatics, Samara, Russia
Camstech-II-1003	The use of excessive pressure of pumping equipment in order to combat mechanical impurities	Nickolay P. Ovchinnikov, Boris I. Dambuev and Sergey Yu. Krasnoshtanov	M. K. Ammosov North-Eastern Federal University; Irkutsk National Research Technical University

Camstech-II-1004	Energy properties of solid surfaces lubricated with magnetic nanodisperse liquid	Alexander N, Bolotov and Georgy B Burdo	Tver State Technical University, Tver, Russia
Camstech-II-1005	Effect of magnetic field on the physico and mechanical properties of oils and non-magnetic substance	Alexander N Bolotov and Georgy B Burdo	Tver State Technical University
Camstech-II-1006	Physical basis for Improving the wear resistance of cermets for tribological performances	V.V. Alisin, A.I. Lukyanov	Mechanical Engineering Research Institute of the Russian Academy of Sciences, Moscow, Russia
Camstech-II-1007	Computational Experiment in Emitting Nanostructures Metal - Metal Oxide under the Bombing Influence in a He-Ne Mixture	D K Nikiforov, A P Korzhavyi and A V Chelenko	Kaluga Technical College, Kaluga, Russia; Moscow State Technical University named after N.E. Bauman - The Kaluga branch, Kaluga, Russia
Camstech-II-1008	Gas-phase and liquid-phase ozonolysis of butadiene. Theoretical investigation	Boris E. Krisyuk, Alexey V. Mayorov, Eldar A. Mamin	Institute of Problems of Chemical Physics of RAS, Chernogolovka, Russia. Institute for Information Transmission Problems, Moscow, Russia. PLEKHANOV Russian University of Economics, Moscow, Russia. Institute of Biochemical Physics, Russian Academy of Sciences, Moscow, Russia.

Camstech-II-1009	Thermal Insulation Panels with Bio-Based Adhesives	Mikhail Bayandin, Valentina Strikun, Aleksey Namyatov, Vladimir Ermolin, Zoltan Pásztor	Reshetnev University, Krasnoyarsk
Camstech-II-1011	Closed and Open Circuit Methods for calculating the Conductive and Structural Characteristics of Thin-Film Elements by the Reflection Coefficient of Microwave Waves	I Antonets, Y Golubev, V Shcheglov and L Kotov	Syktyvkar State University named Pitirim Sorokin, Syktyvkar, Russia; Institute of Geology of Komi SC, Russian Academy of Sciences, Syktyvkar, Russia; Institute of Radio Engineering and Electronics, Russian Academy of Sciences, Moscow, Russia
Camstech-II-1012	Investigation of the Disintegration Stage of a Spherical Plasmoid	V Andreev and G Sorokin	Chuvash State University, Cheboksary, Russia
Camstech-II-1017	Coordinates Measurement with the Usage of Panoramic Annular Lens (PAL)	V A Solomatin	Moscow state university of geodesy and cartography (MIIGAiK), Moscow, Russia
Camstech-II-1019	Significant factors of Additive Technologies in the frame of implementation in Russia	Elena Y Ganshina and Irina L Smirnova	Financial University under the Government of the Russian Federation, Moscow, Russia

Camstech-II-1020	Nonlinear oscillations of a current-carrying shell in magnetic field	Ravshan Indiaminov, Akram Narkulov, Nuriddin Yusupov, Sokhibjon Rustamov, Ruslan Butaev, Sobir Kholjigitov, and Nurbek Isayev	Samarkand Branch Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Samarkand, Uzbekistan; Navoiy state mining institute, Navoiy, Uzbekistan; Jizzakh State Pedagogical Institute, Jizzakh, Uzbekistan.
Camstech-II-1021	Study of the effect of properties and type of fabric on mechanical properties of composite material	Antypas I.R., Dyachenko A.G., Otroshko I.V.	Don State Technical University
Camstech-II-1022	Development Of Models And Algorithms For Studying Multi-Dimensional Systems With Latitude-Impulse Modulation	Gulruh Sherboboyeva, Adkham Amonov, Khakberdi Jumanov, Malika Rustamova, Shakhobiddin Faiziev	Karshi branch of Tashkent University of information technologies named after Mukhammad al-Khwarizmi, Samarkand, Uzbekistan
Camstech-II-1023	Investigation of the microstructure evolution of 7CrMn2WMo economy-alloyed steel in a new design forging tool implementing shear deformations	S. Lezhnev, I. Volokitina, E. Panin, D. Kuis and I. Stepankin	Rudny industrial Institute, Rudny, Kazakhstan; Karaganda Industrial University, Temirtau, Kazakhstan; Belarusian State Technological University, Minsk, Belarus; Pavel Sukhoi State Technical University of Gomel, Gomel, Belarus
Camstech-II-1025	The Influence of Microwave Calcination Technological Parameters on Dechlorination of Zinc-Containing Materials	A.G. Ryazanov, A.V. Shunaylov, D.M. Galimov, A.V. Senin, and G.G. Mikhailov	South Ural State University, Chelyabinsk, Russia

Camstech-II-1026	Study of defect InGaP(001) surface by the low energy ion scattering spectroscopy	M.K. Karimov, U.O. Kutliev, I.A. Khajieva, S.B. Bobojonova, M.U. Otabaev	Urgench State University, Urgench, Uzbekistan
Camstech-II-1027	Study of a layer of cemented products after abrasive processing in mechanical engineering	I A Shveyov and E I Shveyova	Kazan Federal University, Kazan; Russia
Camstech-II-1028	Modern genetic approaches in breeding black currant for resistance to patocomplex	V N Sorokopudov, E A Melkumova, O A Sorokopudova, I V Knyazeva and I M Bamatov	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Voronezh State Agrarian University name of Peter 1, Voronezh; FGBNU FIC "V. V. Dokuchaev Soil Science Institute" Pyzhevsky lane, Moscow, FGBOU VO Chechen State University, Grozny, Grozny, Russian Federation.
Camstech-II-1029	Research of structure of mortars for architectural monuments of Bukhara	Inomjon Tojiev and Mubin Vakhitov	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Camstech-II-1030	Characteristics Of Industrial Radio Interference Based Measuring Antennas	Abdugafur Hotamov, Gulruh Sherboboyeva, Marufjon Bolbekov, Malika Rustamova, Khusniddin Botirov	Samarkand branch of Tashkent University of information technologies named after Mukhammad al-Khwarizmi, Samarkand, Uzbekistan

Camstech-II-1031	Control of the formation of defects in brickwork of buildings	Svetlana A. Sazonova, Sergey D. Nikolenko, Sergey V. Dorokhin and Dmitriy V. Sysoev	Voronezh State Technical University; Voronezh State Forestry University named after G. F. Morozov; Voronezh State Technical University, Voronezh, Russia
Camstech-II-1032	Applied mechanics approaches to the calculation of retaining walls	Svetlana A. Sazonova, Sergey D. Nikolenko, Alla V. Zvyagintseva and Dmitriy V. Likhachev	Voronezh State Technical University; Voronezh State Forestry University named after G. F. Morozov, Voronezh, Russia
Camstech-II-1033	Innovation Based Remote Monitoring for Wearable Diagnostics in Real Time Mode	A. Zhukov, A. Zaverzaev, G. Sozinov and I. Kartsan	Institute of Astronomy of the Russian Academy of Sciences; FGBSI «The Federal Center of Analyzis»; Russian Technological University; JSC "Special Design Bureau of the Moscow Energy Institute"; "Quasar" LLC, Moscow; Marine Hydrophysical Institute, Russian Academy of Sciences; Sevastopol State University, Sevastopol; Reshetnev Siberian State University of Science and Technology, Krasnoyarsk; V.I. Vernadsky Crimean Federal University, Simferopol, Russia
Camstech-II-1034	Electrophysical parameters of shungite	I Antonets, Y Golubev and R Korolev	Syktyvkar State University, Syktyvkar, Russia; Institute of Geology of Komi SC of Russian Academy of Sciences, Syktyvkar, Russia

Camstech-II-1036	Designing rational, multi-range flexible technological flows in the sewing industry	Gulandom Rajabova, Zebiniso Tursunova, Khulkar Saidova, Nematova Lolakhon and Azimova Madina	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Camstech-II-1038	Method for Determining the Kind of the Active Grains Distribution in Composite Materials for Abrasive Purposes	Mariya Nikolaevna Safonova, Andrey Andreevich Fedotov and Aytalina Stepanovna Syromiatnikova	North-Eastern Federal University in Yakutsk, Russia; V.P. Larionov Institute of Physical-Technical Problems of the North of Siberian Branch of the Russian Academy of Sciences in Yakutsk, Russia
Camstech-II-1039	Investigation of the Tribotechnical Characteristics of the Metal Bond-Based Material with the Content of Natural Diamond Powders	Mariya Nikolaevna Safonova, Andrey Andreevich Fedotov and Aytalina Stepanovna Syromiatnikova	North-Eastern Federal University in Yakutsk, Russia; V.P. Larionov Institute of Physical-Technical Problems of the North of Siberian Branch of the Russian Academy of Sciences in Yakutsk, Russia
Camstech-II-1040	Relevance of Selective Sampling of Foaming Agents for the Production of Porous Metals	Ivan Lapin, Victor Zhilyakov, Olga Kharitonova, Veronika Bronskaya, Rushaniya Askarova and Irina Vishnyakova	Kazan National Research Technological University, Kazan, Russia
Camstech-II-1042	Economic Aspect in the Selection of an Alternative Foaming Agent and the Study of the Process of the Production of Porous Aluminium	Ivan Lapin, Victor Zhilyakov, Guzel Aminova, Olga Kharitonova, Veronika Bronskaya and Regina Dmitricheva	Kazan National Research Technological University, Kazan, Russia

Camstech-II-1043	Study of the effect of ultra-high frequency radiation on the mechanical properties of Larix Sibirica wood	S.G. Eliseev, V.N. Ermolin, S.S. Stupnikov	Krasnoyarsk, Reshetnev Siberian State University of Science and Technology
Camstech-II-1044	Preferences of improved dust-cleaning device	Golib Zaripov, Mavlon Avezov, and Yusuf Beshimov	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Camstech-II-1045	Nanocomposite superconductors for low loss filter design	M. V. Golovkina	Povolzhskiy State University of Telecommunications and Informatics, Samara, Russia
Camstech-II-1046	Analysis of the mechanical properties of diamond-like carbon coatings on zirconia crystals for tribotechnical purposes	V.V. Alisin	Mechanical Engineering Research Institute of the Russian Academy of Sciences, Moscow, Russia
Camstech-II-1047	Determination of protective properties of inhibitors in conditions of carbon dioxide corrosion	S. A. Yamshchikova and A. S. Tyusenkov	Ufa State Petroleum Technological University, Ufa, Russian Federation
Camstech-II-1048	Evaluation of corrosion resistance of low alloy steel in catholyte solution	O. R. Latypov and A. S. Tyusenkov	Ufa State Petroleum Technological University, Ufa, Russian Federation

Camstech-II-1049	Investigation of causes of failures of nickel alloy pipelines at high temperatures	A. S. Tyusenkov and O. R. Latypov	Ufa State Petroleum Technological University, Ufa, Russian Federation
Camstech-II-1051	Tribological Effect of the Combined Use of Micro- and Nano- Scale Additives in the Textile Machinery Lubricants	Alexander S. Parfenov and Alexander A. Tuvin	Ivanovo State Medical Academy; Ivanovo State Politechnical University, Ivanovo, Russia
Camstech-II-1052	Assessment of software for the analysis of electron diffraction patterns obtained by transmission electron microscopy and modeling	Ivan V Morenko and Galina Yu Ostaeva	Moscow Automobile and Road Construction State Technical University (MADI), Moscow, Russia
Camstech-II-1054	Overview of graphic processor architectures in data base problems	Rakhimov Bakhtiyar Saidovich, Khalikova Gulnora Tukhtamuratovna, Allabeganov Odilbek Rakhimovich, Saidov Atabek Bakhtiyarovich	Urgench branch of Tashkent Medical Academy, Uzbekistan, Regional Center for Retraining and Advanced Training of Public Education under the Navoi State Pedagogical Institute. Uzbekistan, Tashkent University of Information Technologies named after Al – Khwarizmi. Uzbekistan
Camstech-II-1055	Structural-Phase State of Polymetal AA5356-Mo Produced by Electron Beam Additive Manufacturing	Anna Zykova, Andrey Chumaevskii, Nikolay Shamarin, Andrey Vorontsov, Denis Gurianov, Leonid Zhukov and Artem Dobrovolsky	Institute of Strength Physics and Materials Science, Siberian Branch of Russian Academy of Sciences

Camstech-II-1056	Investigation the glass transition of modified polymer materials by thermal analysis methods	S.V. Ershov, E.V. Subbotin and A.G. Shcherbinin	Perm National Research Polytechnic University, Perm, Russia
Camstech-II-1057	Use of monomolecular protective film in friction units of agricultural machinery	Otari N Didmanidze, Ekaterina P Parlyuk and Nikolay N Pulyaev	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russian Federation
Camstech-II-1059	Research of strength of modified mortars for restoration of Bukhara architectural monuments	Mubin Vakhitov and Inomjon Tojiev	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Camstech-II-1060	Influence of speed rotor frequency of grinding machines on size and qualitative characteristics of fibrous semi-finished products	A Yu Vititnev, Yu D Alashkevich, N G Chistova, V N Matygulina and R A Marchenko	Reshetnev Siberian State University of Science and Technology; Krasnoyarsk Railway Transport Institute, branch of Irkutsk State Transport University, Krasnoyarsk, Russian Federation
Camstech-II-1061	Development of Al <sub>2</sub> O <sub>3</sub> and PLA Ceramic-Polymer Filament for 3d Printing by Fused Deposition Modelling Method	Anton Smirnov, Pavel A. Podrabinnik, Nikolay N. Babushkin, Ekaterina V. Kuznetsova, Yuri O. Pristinitskiy and Roman S. Khmyrov	Moscow State University of Technology STANKIN, Moscow, Russia
Camstech-II-1062	Effect of microadditions of aluminum and vanadium on the susceptibility to quench cracking in powder steels	Vladimir Y. Dorofeyev, Anna N. Sviridova, Yuri M. Berezhnoy, Eugene N. Bessarabov, Svetlana	Platov South-Russian State Polytechnic University (NPI), Novocherkassk, Russia; Derzhavin Tambov State University, Tambov, Russia; Don

		V. Sviridova, Victor N. Pustovoit and Lev I. Svistun	State Technical University, Rostov-on-Don, Russia; Kuban State Technological University, Krasnodar, Russia
Camstech-II-1063	Structure and Phase State of Stainless Steel after Single Pulse Processing by High Power Ion Beam of Carbon Ions	Mikhail Zhidkov, Alexander Ligachev, Geliy Potemkin and Genadiy Remnev	Belgorod State National Reseach University, Prokhorov Institute of General Physics RAS, Tomsk Polytechnic University
Camstech-II-1064	Application of Multilayer Coatings based on Complex Titanium Nitrides to improve the efficiency of Twist Drills	M.F.J. Al-Kadhimi, D.I. Sagitov, A.V. Chikhranov and Y.A. Dolzhenko	Federal State Budgetary Educational Institution of Higher Education Ulyanovsk State Technical University; Federal State Budgetary Educational Institution of Higher Education Ulyanovsk Institute of Civil Aviation named after Chief Marshal of Aviation B.P. Bugaev, Ulyanovsk, Russia
Camstech-II-1065	On the influence of structural effects on localized density fluctuations in DNA	V. E. Zakhvataev, L. A. Kompaniets, O. S. Volodko, and D. V. Zlobin	Federal Research Center "Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences"; Siberian Federal University; Institute of Computational Modelling of the Siberian Branch of the Russian Academy of Sciences, Krasnoyarsk, Russia

Camstech-II-1066	Analysis of the Tensile Strength and Elastic Modulus of the Insulation Coating of the Pipeline Depending on the Operating Temperature	Vladislav Ankudinov, Ramiliya Shaikhetdinova, Veronika Bronskaya, Guzel Aminova, Nina Kotova, Chulpan Minnegalieva and Olga Kharitonova	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia
Camstech-II-1067	Oxide Aluminum Coatings by the Sol-Gel Method on Carbon Fibers	Rida F Gallyamova, Vladimir A Dokichev, Ilgiz V Galyautdinov, Fanil F Musin	Ufa Institute of Chemistry UFRC of the RAS, Ufa, Russian Federation
Camstech-II-1069	Synthesis of Bi <sub>2</sub> O <sub>3</sub> nanostructures and features of their surface morphology	E. N. Griбанov, O. I. Markov, V. A. Sorvatchev, Yu. V. Khripunov, M. S. Yuchnovets	Oryol State University named after I. S. Turgenev
Camstech-II-1071	Features of inter-branch engineering when creating a system of information signs in the Arctic zone	N M Kuprikov	Moscow Aviation Institute (National Research University), Moscow, Russia
Camstech-II-1072	Systematization of Knowledge about Bituminous Materials based on PROTÉGÉ	Bulat Vagapov, Elvira Garifullina, Veronika Bronskaya, Tatiana Ignashina, Olga Kharitonova, Liliya Khairullina and Guzel Khabibullina	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia
Camstech-II-1073	Features Of Structure And Property Formation During Wire-Feed Electron Beam Additive Manufacturing Of CuCr1 Chromium Bronze Products	Chumaevskii A.V., Kalashnikova T.A., Gurianov D.A., Gusarova A.V., Osipovich K.S., Beloborodov V.A., Sokolov P.S.	Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia

Camstech-II-1074	Obtaining of Aluminum Alloys Weld Joints with Specified Strength Properties by Friction Stir Welding	Ivanov A.N., Kalashnikova T.A., Zhukov L.L., Gurianov D.A., Beloborodov V.A., Kolubaev E.A., Rubtsov V.E., Tyurin A.G., Bakshaev V.A., Nikitin Y.V.	Institute of Strength Physics and Materials Science of Siberian Branch of Russian Academy of Sciences, Tomsk, Novosibirsk State Technical university, Novosibirsk, ZAO «Cheboksary enterprise "SespeI», Cheboksary, Russia
Camstech-II-1075	Defect Formation and Inhomogeneous Structure in M1 Copper at Implementing of Drop Mode Printing by Wire-Feed Electron Beam Additive Technology	Gusarova A.V., Zakharevich I., Osipovich K.S., Gurianov D.A., Chumaevskii A.V., Zhukov L.L., Kushnarev Y.V.	Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia
Camstech-II-1077	The obtainment process and the comparative analysis of the usage of biomodified fertilizer over monoammonium phosphate on fruit garden	I. M. Bamatov, M. M. Arsanov, and M. A. Takaeva	FGBNU FIC "V. V. Dokuchaev Soil Science Institute", Moscow,; FGBOU VO Chechen State University; Russia
Camstech-II-1080	Fabrication of NiAl Strengthened Cu-Al Based Composite	Evgeny N. Moskvichev	Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia
Camstech-II-1082	Bimetallic Gradient Transition Zone Formation of the Cu-Ni System by Dual Wire-Feed Electron Beam Additive Manufacturing	Gusarova A.V., Gurianov D.A., Chumaevskii A.V., Kalashnikova T.A., Osipovich K.S., Zhukov L.L., Nikonov S.Y.	Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia

Camstech-II-1084	Comparative analysis of the effect defects in the microstructure of a hard alloy on crack resistance	Alexander A. Zhadyaev, Dmitri A. Zakharov and Alexander P. Amosov	Samara State Technical University; «Volgaburmash» JSC, Samara, Russia
Camstech-II-1085	Size measurement of spherical nanoparticles using transmission electron microscopy and specialized software	Ivan Morenko and Galina Ostaeva	Moscow Automobile and Road Construction State Technical University (MADI), Moscow, Russia
Camstech-II-1086	Influence of the polymer nature on the formation and stability of copper nanoparticles	Galina Ostaeva, Ekaterina Eliseeva, Irina Isaeva, Ivan Morenko and Andrey Litmanovich	Moscow Automobile and Road Construction State Technical University (MADI), Moscow, Russia
Camstech-II-1087	Raw material composition and technology for producing polycomponent yarn	Doniyor Khabibullaev, Khalima Alimova, Nargiza Nabidjanova and Jakhongir Akhmedov	Tashkent Institute of Textile and Light Industry, Tashkent, Uzbekistan

## Section 2. Mechanical engineering and automation of technological processes for Industry 4.0

Camstech-II-2001	Application of machine learning for optimization of operational processes in industrial drum units	A L Zolkin, V D Munister, E A Domracheva, R V Faizullin and K A Kovaleva	Povolzhskiy State University of Telecommunications and Informatics, Samara; Private educational institution "Donetsk Academy of Transport", Donetsk, Ukraine; State educational institution of higher professional education "Donetsk National Technical University", Pokrovsk, Donetsk region, Ukraine; State University of Telecommunications, Kiev, Ukraine; MIREA — Russian technological university MIREA — Russian technological university
------------------	----------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

			Moscow, Moscow; Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russia
Camstech-II-2002	The Technological Environment Cyber-physical System Noise Immunity Control	Igor O Zharinov, Danil A Zakoldaev, Anatoly V Shukalov and Oleg O Zharinov	ITMO University, Saint Petersburg; Saint Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia
Camstech-II-2003	Algorithms for the synthesis of gradient controllers in a nonlinear control system	Alisher Mallayev, Jasur Sevinov, Suban Xusanov, Okhunjon Boborayimov	Karshi Engineering-Economics Institute, Tashkent State Technical University
Camstech-II-2005	The Self-setting and Self-organizing Cyber-physical Systems Control	Anatoly V Shukalov, Danil A Zakoldaev, Igor O Zharinov and Oleg O Zharinov	ITMO University, Saint Petersburg; Saint Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia
Camstech-II-2006	Study of the influence of metal structure joining techniques on strength enhancement by means of the finite element method	Antypas I.R.	Don State Technical University
Camstech-II-2007	Investigation of kinematic characteristics of gas distribution mechanism model in MSC.ADAMS system	R A Yakovlev, A I Shvelev and V R Zigangirov	Kazan National Research Technical University named after A.N.Tupolev, Kazan

Camstech-II-2009	Aspects of designing destbed for radiocommunication systems	Irina N Malysheva	JSC «Concern «Sozvezdie», Voronezh, Russia
Camstech-II-2010	Determination of the depth of cut for plunge-cut centerless grinding	Olga P Reshetnikova, Boris M Iznairov, Alexei N Vasin, Natalia V Belousova and Gennady A Semochkin	Yuri Gagarin State Technical University of Saratov, Saratov, Russia
Camstech-II-2011	Development of the Design and Justification of the Parameters of the Distribution Head of the Pneumatic Fertilizer Seeder	V. N. Ednach, N. N. Romanyuk, V. A. Ageichik, M. N. Kalimullin, A. A. Orekhovskaya, D. N. Klyosov and V.A. Smelik	Belarusian State Agrarian Technical University, Minsk, Republic of Belarus Kazan State Agrarian University, Kazan, Russia Belgorod State Agricultural University named after V. Gorin, Belgorod Region, Russia Federal State Budgetary Scientific Institution 'Federal Scientific Agroengineering Center VIM', branch in Saint Petersburg, p.o. Tiarlevo, Saint Petersburg, Russia
Camstech-II-2012	Calculation of the Accuracy of a Snap-gauge to Control the Diameter of the Bearing Journals of the Camshaft	N Zh Shkaruba, O A Leonov, G N Temasova, Yu G Vergazova and D O Leonov	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Camstech-II-2013	Maintaining Optimal Performance of Main Oil Pipeline Technological Section	Polina A. Churikova, Natalia A. Mamedova, and Mikhail A. Afanasev	Plekhanov Russian University of Economics, Moscow, Russia

Camstech-II-2014	Determination of the amount of waviness of a surface during centerless grinding of a sphere	Olga P Reshetnikova, Boris M Iznaïrov, Alexei N Vasin, Natalia V Belousova and Gennady A Semochkin	Yuri Gagarin State Technical University of Saratov, Saratov, Russia
Camstech-II-2015	Human Operator Functions Implementation by a Manipulator	E A Dudorov, N V Kim, V N Zhidkov and V V Polyansky	Moscow Aviation Institute (National Research University), Moscow, Russia; Androydnaya Tekhnika Scientific and Production Enterprise, Moscow, Russia
Camstech-II-2016	Control system of sulphur content in marketable oil	Ekaterina S. Kulakova, Dmitry A. Nuykin	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-2020	Dynamic analysis of the behavior of transient states of mechanisms and the influence of the factor of mechanical hardening on them	A. G. Dyachenko	Don State Technical University
Camstech-II-2022	Synthesis of satellite center trajectories Planetary Rotary Hydraulic Machines taking into account their «captivity» condition	D.A. Kurasov	Kurgan State University, Kurgan
Camstech-II-2023	Vehicle Transmission Modeling via Simulink Software	M.V. Sidorov, M.A. Karpov, M.N. Kalimullin, A.Y. Barykin, D.I. Nuretdinov, R.M. Galiyev and V. A. Sokolova	Kaluga Branch of the Russian State Agrarian University – Timiryazev Moscow Agricultural Academy, Kaluga, Kaluga Region, Russia Bauman Moscow State Technical University (Kaluga Branch), Kaluga, Russia Kazan State Agrarian

University, Kazan, Russia Kazan Federal University, Kazan, Russia Saint Petersburg State Forest Technical University named after S.M. Kirov, St. Petersburg, Russia

Camstech-II-2024	Vietnamese metallurgy on the way out of the crisis with the use of automated control systems	V.Yu. Bazhin, Nguyen Huy Hoang	Saint-Petersburg mining university, Saint-Petersburg, Russia
Camstech-II-2025	Gear honing method for identifying residual stresses and micro-relief of gear wheels	A G Karavanova and A S Kalashnikov	Moscow Polytechnic University, Moscow, Russia
Camstech-II-2026	Dynamics of flexible rotor on journal bearings lubricated with magnetorheological fluid	Alexander Fetisov and Valentin Tyurin	Orel State University named after I.S. Turgenev, Orel, Russia
Camstech-II-2027	Investigation of the designs of hollow balls of normalized stiffness with the purpose of their use as structural elements of rolling bearings	Alexey A Peregorodov, Olga P Reshetnikova, Boris M Iznairov, Alexei N Vasin and Natalia V Belousova	Yuri Gagarin State Technical University of Saratov, Saratov, Russia
Camstech-II-2029	Determination of Optimal Modes for Milling Mammoth Tusk on a Numerically Controlled Machine	Gleb V. Botvin, Vyacheslav V. Petrov, Alexander A. Chirikov and Evgenia S. Petukhova	Federal Research Centre "The Yakut Scientific Centre of the Siberian Branch of the Russian Academy of Sciences"

Camstech-II-2030	Innovations in the Russian Tractor Industry	Tatiana Marinchenko	Russian Research Institute of Information and Feasibility Study on Engineering Support of Agribusiness, the Federal State Budgetary Scientific Institution (RosinformagrotekhFSBSI)
Camstech-II-2032	Manufacturing process management at machine-building enterprises: main differences of formation and development	Alexey I Borisov, Sargylana Y Cheremkina, Elizaveta A Ivanova, Aleksandra A Kirillina and Andrey M Alekseev	Federal State Autonomous Educational Institution of Higher Education "M. K. Ammosov North-Eastern Federal University", Yakutsk, Republic of Sakha (Yakutia), Russia
Camstech-II-2033	Graph-analytical study of a tooth-lever differential transmission mechanism	Abdusalam Abdukarimov, Asrorbek Abdullajonov, Sanjarbek Madaminov, Alimjon Rozakhinov and Gofurjon Achilov	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan
Camstech-II-2034	Wave resonance of rotating fluid in rotor with baffles	Andrey Nikiforov	Mechanical Engineering Research Institute of the Russian Academy of Sciences, Moscow, Russia
Camstech-II-2035	Development of a Control System for a Gas Turbine Power Unit with a Thermal Energy Storage	E Pitukhin, M Kukolev, P Pitukhin and M Gubaeva	Petrozavodsk State University, Petrozavodsk, Russia; Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia; Filial "Protvino" of the State University "Dubna", Protvino, Russia
Camstech-II-2036	The Reduction of Computational Cost in GNSS Data Network Processing	Andrey Podkorytov, Anatoly Ryapukhin	Moscow Aviation Institute (National Research University), Moscow, Russia

Camstech-II-2037	Analysis of a two-roll module with an arcuate displacement of the center of rotation of the movable shaft	Abdusalam Abdukarimov, Shavkat Alimukhamedov, Ismoil Saidakulov and Sanjarbek Madaminov	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan; 2Tashkent State Transport University, Tashkent, Uzbekistan
Camstech-II-2039	Method for analytical evaluation and control of technical state of engineering products	V A Golikov	Moscow Aviation Institute (National Research University), Moscow, Russia
Camstech-II-2040	Laboratory studies of extinguishing a forest ground fire with soil	M A Gnusov, M V Drapalyuk, D Yu Druchinin and S V Zimarin	Ministry of Science and Higher Education of the Russian Federation, Voronezh State University of Forestry and Technologies named after G.F. Morozov, Voronezh, Russian Federation
Camstech-II-2041	Evaluation of the stress state of the riveted joint of the loop holder of the hatch gondola car	V.A. Lebedev, D.Y. Rasin and E.S. Chechulin	Bryansk State Technical University, Bryansk, Russia
Camstech-II-2042	Comparative analysis of materials of loading devices of machine building	A G Amosov	Moscow Aviation Institute (National Research University) Moscow, Russia
Camstech-II-2043	Development of a Neural Network for Advanced Control of a Fuel Oil Vacuum Distillation in Petroleum Refining	E. A. Muravyova and M. I. Sharipov	Ufa State Petroleum Technological University, Branch in Sterlitamak, Sterlitamak

Camstech-II-2044	Development of an Intelligent Complex for Stabilization Column Parameters Adaptive Control of the Catalytic Reforming Stabilization Unit	M. I. Sharipov and E. A. Muravyova	Ufa State Petroleum Technological University, Branch in Sterlitamak, Sterlitamak
Camstech-II-2045	Application of the 7 Degrees of freedom robotic arm	Islam A. Magomedov, José Luis Ordóñez-Ávila and Zelimhan A. Dzhabrailov	Chechen State University

### Section 3. Cybernetics, economics and organization of mechanical engineering production

Camstech-II-3001	The influence of primary and technological mixtures on the parameters of the sequential pumping mode	Vanchugov I.M., Daudi D.I. Rezanov K.S. Shestakov R.A., and Barakov V.V.	Gubkin Russian State University of Oil and Gas (National Research University, Moscow)
Camstech-II-3002	Investigation of non-stationary processes in an oil pipeline in the event of a leak or criminal tie-in	Barakov V.V., Shestakov R.A. and Vanchugov I.M.	Gubkin Russian State University of Oil and Gas (National Research University, Moscow)
Camstech-II-3003	The Physical, Virtual, Logical and Functional Cyber-physical Production Objects Hierarchy	Danil A Zakoldaev, Anatoly V Shukalov, Igor O Zharinov and Oleg O Zharinov	ITMO University, Saint Petersburg; Saint Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia

Camstech-II-3005	Improving the Efficiency of Personnel Management of the Machine-Building Enterprises on the Basis of the Detailed Analysis	Natalya Arsenieva, Lyudmila Putyatina and Lyudmila Lavrova	Moscow Aviation Institute (National Research University), Moscow, Russia
Camstech-II-3006	Process approach in the development of standards for the quality management system of a machine-building enterprise	O A Leonov, G N Temasova, N Zh Shkaruba, Y G Vergazova and A V Panin	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Camstech-II-3007	The evaluation of the effectiveness of using various methods in three-dimensional modeling of objects	I Ya Lvovich, Ya E Lvovich, A P Preobrazhenskiy, Yu P Preobrazhenskiy and O N Choporov	Voronezh institute of high technologies, Voronezh state technical university
Camstech-II-3008	Human resources management of a machine-building enterprise in the post Covid-19 pandemic environment	Sergey Yekimov, Viktoriia Nianko, Iryna Perevozova, Liliia Mykhailyshyn and Svitlana Kalinina	National Technical University of Oil and Gas, Publishing House “Education and Science” s.r.o., Dniprovsk State Technical University ,Ukrainian State Employment Service Training Institute
Camstech-II-3009	Probabilistic Coding with Multiple Error Corrections	Dmitry Moiseev and Alexander Shokin	SEVASTOPOL STATE UNIVERSITY, Sevastopol, Russia

Camstech-II-3010	Experience Of Southern Machine-Building Plant Using A Special Team In Public-Private Partnership	Olga Kuhareva, Igor Paryzkyy, Sergey Yekimov, Ihor Leonidov and Oksana Krochak	Dnipro National University, Dnipro , Ukraine
Camstech-II-3011	The use of public-private partnership in the machine-building industry	Bondarskaya Oksana, Bondarskaya Tatyana, Pichugin Sergey, Drozdova Anna ,Avksentieva Elena, Yekimov Sergey	Dnipro National University Oles Honchar, Dnipro , Ukraine
Camstech-II-3012	Artificial intelligence technologies as a competitive advantage of business in the conditions of technological singularity	M N Kondratyeva and D D Svirina	Russian Technological University — MIREA, Moscow, Russia
Camstech-II-3013	An Ontology-Based Method of Conceptual Modelling for Open Innovation Diffusion	B I Savelyev and S V Pronichkin	National Research Technological University "MISiS", Moscow, Russia; Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia
Camstech-II-3014	Features of the Formation of National Science Governance Systems in Developing Countries	S V Pronichkin, V L Rozaliev and I B Mamai	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia; National Research Technological University "MISiS", Moscow, Russia; Volgograd

			State Technical University, Volgograd, Russia
Camstech-II-3015	The need to develop professional standards in the field of mechanical engineering standardization	N M Kuprikov	Moscow Aviation Institute (National Research University), Moscow, Russia
Camstech-II-3016	Scientific and Technical Policy of Developing Countries in the Formation of National Research Support Systems	S Pronichkin, V Rozaliev and I Mamai	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia; National Research Technological University "MISIS", Moscow, Russia; Volgograd State Technical University, Volgograd, Russia
Camstech-II-3017	Competitive Funding for Research in Developing Countries: Institutional Context	S Pronichkin, V Rozaliev and I Mamai	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia; National Research Technological University "MISIS", Moscow, Russia; Volgograd State Technical University, Volgograd, Russia

Camstech-II-3018	Problems and Prospects for Sustainable Development of Megalopolises of the BRICS Countries	S Pronichkin and I Mamai	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia; Federal Center of Theoretical and Applied Sociology of Russian Academy of Sciences, Moscow, Russia
Camstech-II-3019	Software and Hardware Complex for Modeling and Analyzing the Reliability of Systems for Various Purposes	Dmitriy V Moiseev and Alexandr A Polyakov	SEVASTOPOL STATE UNIVERSITY, Sevastopol, Russia
Camstech-II-3022	Analysis of the Effectiveness of Scientific Organizations in Developing Countries	S Pronichkin and I Mamai	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia; Federal Center of Theoretical and Applied Sociology of Russian Academy of Sciences, Moscow, Russia
Camstech-II-3023	The software implementation of the technological process specialized models executed as the real-time operating system threads	V. V. Losev, I. V. Kovalev, N. A. Testoyedov, M. V. Saramud and A. S. Lifar	Reshetnev Siberian State University of Science and Technology

Camstech-II-3024	Modeling and evaluating the effectiveness of innovation policy in the regions of Russia based on the Data Envelopment Analysis method	A.V. Zinenko, I.R. Ruiga, L.N. Korpacheva, S.V. Kapustina and Iu.I. Ovchinnikova	Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-3025	The role of communication in agri-food technologies	Z.B.Mukhamadieva	Bukhara Engineering-Technological Institute
Camstech-II-3026	Improving Food Products Standardization: from a Verification Tool to Product Branding	T G Butova, N V Klimovich, S I Mutovin, L A Danchenok and E P Danilina	Siberian Federal University; Scientific Research Institute of the Federal Penitentiary Service; Plekhanov Russian University of Economics, Krasnoyarsk State Medical University named after Professor V.F. Voino-Yasenetsky
Camstech-II-3027	The quality of food products as one of the indicators of sustainable development of the society	S V Solodova, Yu A Yuldashbaev, V A Demin, M G Lesheva, A K Karynbaev, B K Bolaev	Volgograd State University; Russian State Agrarian University – Moscow Timiryazev Agricultural Academy; FSBEI HE «Stavropol State Agrarian University»; Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production

Camstech-II-3028	Development of information support for management by segments of activity of agroindustrial complex enterprises in arid territories	Y. P. Kucherova, A. V. Glushchenko, E Yu Anisimova, D A Mosolova and Yu V Starodubova	Volgograd State University; Volga Region Research Institute of Manufacture and Processing of Meat-and- milk Production
Camstech-II-3029	Development of the Mechanism for Graphical Analysis Formation for Pattern Recognition of Technical Documentation and Converting Graphic Information into Machine-readable Form	Anastasia Petrushevskaya and Alexey Rabin	"Saint-Petersburg State University of Aerospace Instrumentation (SUAI)

#### Section 4. Reliability and data protection in automated technological systems

Camstech-II-4001	An access control system based on multimodal approach	V V Alekseev, D V Lakomov, G AI Maamari and M V Moiseeva	Tambov State Technical University, Tambov, Russian Federation
Camstech-II-4002	Stability of digital data at long-term storage	A V Solovyev	Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia
Camstech-II-4003	Mathematical Modeling of the Indicator System. The Choice of the Modeling Method	S V Veretekhina	Russian State Social University, Moscow, Russia; Financial University under the Government of the Russian Federation, Moscow, Russia

Camstech-II-4004	Information needs in the information realm	V Ya Tsvetkov and A M Tyagunov	Russian Technological University (RTU MIREA), Moscow, Russia
Camstech-II-4005	Analysis Specificity Hyperparameters of Adaboost in Defining «Significant» Stage-To-Stage Transitions on Grid Graphs for the Process Mining in Banks	A A Bugaenko	Sberbank PJSC, Moscow, Russian Federation
Camstech-II-4006	Relevance of Developing of a Model of The Information System for Monitoring and Analysis Traffic Safety	S M Kornilov	Vladimir State University named after Alexander and Nikolai Stoletovs, Vladimir, Russian Federation
Camstech-II-4007	Methods of Ontological Service Description for Configuring Decision Support Systems	N Mustafin and A Ponomarev	St. Petersburg Research Center of the Russian Academy of Sciences, St. Petersburg, Russian Federation
Camstech-II-4008	A Comparison Study of Widespread CNN Architectures for Speech Emotion Recognition on Spectrogram	A Ryabinov and M Uzdiaev	St. Petersburg Federal Research Center of the Russian Academy of Sciences (SPC RAS), St. Petersburg, Russia
Camstech-II-4009	Application of broadband signals in marine UHF radio navigation systems	D S Feoktistov, V F Garifullin, V N Bondarenko, F. Zander and A I Zuevskaya	Siberian Federal University, Reshetnev Siberian State University of Science and Technology, Russia

Camstech-II-4010	The effect of multipath propagation of navigation signals on the elimination of ambiguity of phase measurements	P A Lopardin, D S Feoktistov, V F Garifullin, V N Bondarenko and A I Zuevskaya	Siberian Federal University, Reshetnev Siberian State University of Science and Technology, Russia
Camstech-II-4011	Quality Estimation Method in Advanced Software Systems	A I Vlasov, B V Artemiev and L V Juravleva	Bauman Moscow State Technical University, Moscow, Russian Federation

## Section 5. Mathematical methods in engineering and technology

Camstech-II-5001	About the mathematical model of electrochemical corrosion protection system	S A Nikulin, S V Lartsov and E L Karnavsky	Nizhny Novgorod branch JSC "Gazprom proektirovaniye"
Camstech-II-5002	Modeling And Optimization Of Commissioning	Inga S Polyakova and Frangiz G Khisamov	Kuban State Technological University, Krasnodar, Russia
Camstech-II-5003	Software and instrumental complex for decision-making on environmental protection from technogenic factors	N.Ravshanov, N.U.Narzullayeva, N.N.Tashtemirova, F.A.Muradov and Y.N.Islamov	Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Tashkent, Uzbekistan; Samarkand Branch Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Samarkand, Uzbekistan; Tashkent pediatric medical institute, Tashkent, Uzbekistan; Tashkent chemical-technological Institute, Tashkent,

			Uzbekistan; Tashkent Institute of Irrigation and Agricultural Mechanization Engineers, Tashkent, Uzbekistan
Camstech-II-5004	Landing Sites Selection for the Returned Spacecraft	N R Kamynina, V Ya Tsvetkov and V V Oznamets	Moscow State University of Geodesy and Cartography, Moscow, Russia; JSC Research and Design Institute of Informatization, Automation and Communication in Railway Transport (JSC RDIIACRT), Moscow, Russia
Camstech-II-5005	Transport infrastructure facilities design	I N Rozenberg and V Ya Tsvetkov	JSC Research and Design Institute of Informatization, Automation and Communication in Railway Transport (JSC RDIIACRT), Moscow, Russia
Camstech-II-5006	Research of the breaking load of fabrics for overalls	Sanobar Khamraeva and Dilrabo Nazarova	Tashkent Institute of Textile and Light Industry, Tashkent, Uzbekistan
Camstech-II-5007	Processes Occurring in Contact of Solids under Dynamic Loading	N.V. Koteneva, N.V. Perfilieva, S.A. Voinash, S.Ye. Ariko, V.A. Sokolova, A.V. Sergeevich, A.E. Mikhailova and E.A. Alekseeva	Polzunov Altai State Technical University, Barnaul, Altai region, Russian Federation PRO FERRUM Limited Liability Company, St. Petersburg, Russian Federation Belarusian State Technological University, Minsk, Republic of Belarus Saint Petersburg State Forest Technical University named after S.M. Kirov, St. Petersburg, Russian Federation

Camstech-II-5008	Development of a resource-saving design and substantiation of the parameters of the composite cam lobe mechanism of the weaving machine	Anvar Djuraev, Shavkat Madrakhimov, Abdugani Bobomatov and Azimjon Mahmudov	Tashkent Institute of Textile and Light Industry, Tashkent, Uzbekistan
Camstech-II-5009	Modeling the adsorption of fluorine by a carbon polymer surface	Dmitriy Vinokursky, Natalia Kononova, Yana Agakhanova, Nikita Shelestov and Oksana Orlinskaya	North-Caucasus Federal University, Stavropol; Moscow Institute of Physics and Technology, Moscow
Camstech-II-5010	Mathematical modeling of power loads in the construction of a portal lift	A.N. Sirotenko, S.A. Partko and I.D. Kukarkin	Don State Technical University, Rostov-on-Don, The Russian Federation
Camstech-II-5011	Investigation of the Actual Issue of Material Grinding and Ways to Reduce the Energy Consumption of Equipment	M A Romanovich, E I Evtushenko, S A Schastlivenko, E I Vyskrebentsev and E Amini	Belgorod State Technological University named after V.G. Shukhov, Belgorod, Russia; 2K.N. Toosi University of Technology, Tehran, Iran
Camstech-II-5014	Mathematical methods for modeling of the process of diaphragm electrolysis	Ekaterina A Shulaeva, Yulia F Kovalenko and Evgeny A Serebryakov	Branch of the Ufa State Petroleum Technological University, Sterlitamak, Russia

Camstech-II-5015	Mathematical simulation of the control system of a small-sized two-link caterpillar forest machine	D. V. Chernik and K.N. Chernik	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia
Camstech-II-5016	Some Aspects of the Numerical Analysis of a Fractional Duffing Oscillator with a Fractional Variable Order Derivative of the Riemann-Liouville Type	V A Kim and R I Parovik	Vitus Bering Kamchatka State University, Petropavlovsk-Kamchatsky, Russia; Institute for Cosmophysical Research and Radio Wave Propagation, Far East Branch of Russian Academy of Sciences, Petropavlovsk-Kamchatsky, Russia
Camstech-II-5017	A Computer Program for the Numerical Analysis of Economic Cycles Within the Framework of the Dubovsky Generalized Model	D V Makarov and R I Parovik	Vitus Bering Kamchatka State University, Petropavlovsk-Kamchatsky, Russia
Camstech-II-5018	Research of patterns of influence of a particular destruction method of anisotropic materials on their mechanical behavior	M A Romanovich, E I Evtushenko, I S Zernov, S A Schastlivenko and Ebrahim Amini	Belgorod State Technological University named after V.G. Shukhov
Camstech-II-5019	Study of Deformation of Sheet Material Moving Between Rollers	Gayrat Bahadirov, Makhmarajab Musirov	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

Camstech-II-5020	Mathematical methods for predicting the operation of sucker rod pumping units	Yulia F Kovalenko, Gulshat M Miftakhova and Tamara V Grigorieva	Branch of the Ufa State Petroleum Technological University, Sterlitamak, Russia
Camstech-II-5021	Assessment of Measuring Processes by Mathematical Method	N Zh Shkaruba, O A Leonov, Yu G Vergazova and D I Petrovsky	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Camstech-II-5022	To the Study of the Shape of the Roller Contact Curves of a Two-roll Module	Xusnitdin Akromov Sarvar Tashpulatov, Nuriddin Annaev and Abdurasul Umarov	Tashkent Institute of Architecture and Civil Engineering, Tashkent city, Uzbekistan, Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan, Tashkent city, Uzbekistan
Camstech-II-5023	Radiation of 500 and 200 Picoseconds Duration Bipolar Pulses by a Combined Antenna	E V Balzovsky, Yu I Buyanov, V I Koshelev and E S Nekrasov	Institute of High Current Electronics SB RAS, Tomsk, Russia
Camstech-II-5024	Mathematical Modeling of the Roller Contact Curves of a Two-roll Module	F Z Kurbanova, D.Abduxalikova, A.Umarov	Tashkent Institute of Architecture and Civil Engineering, Tashkent, Uzbekistan, Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

Camstech-II-5025	Mathematical Methods of Modeling of Polymerizer Reactor for the Process of Polymerization of Vinyl Chloride	Yulia F Kovalenko and Ekaterina A Shulaeva	Branch of the Ufa State Petroleum Technological University in Sterlitamak, Russia
Camstech-II-5027	Dynamic Stress-Strain States In Viscoelastic Half-Spaces From The Effects Of Cylindrical Inclusion Loads	I.I.Safarov, M.Kh.Teshaev, Sh.R.Axmedov, N.O.Qalandarov, A.M.Marasulov	Bukhara engineering-technological institute
Camstech-II-5028	Development of the theory of calculation of constructive and rational parameters of belt conveyor roller mechanisms	Akbarjon Jumaev, Fevzi Istablaev and Mehriniso Dustova	Navoi branch of the Academy of Sciences of the Republic of Uzbekistan, Navoi, Uzbekistan
Camstech-II-5029	Nonlinear Strain of a Current-Conducting Annular Plate in a Magnetic Field	R. Indiaminov, A. Narkulov, N. Yusupov, U. Zarpullaev, A. Abdullaev, and S.Rustamov	Samarkand Branch Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Samarkand, Uzbekistan; Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Tashkent, Uzbekistan; Navoiy state mining institute, Navoiy, Uzbekistan
Camstech-II-5030	Estimation of optimal wireless channel frequency range for the activation an explosive material in a borehole	Shchitnikov A. A., Kudinov D. S., Kokhonkova E. A., Kiselev V. M. and Radaev V. V.	Siberian Federal University

Camstech-II-5031	Analysis and numerical assessment of the possibility of determining the depth of occurrence of ore anomalies for the passive method of induced polarization	Potylitsyn V. S., Belolipetskii P. V., Shajdurov G, Y, Romanov V. V.	Siberian Federal University
Camstech-II-5033	Annular antenna array with a circular radiation pattern in the plane of vector E	S V Dudarev, N I Voytovich and A V Dudarev	South Ural State University (National Research University), Chelyabinsk, Russia
Camstech-II-5034	Development of a methodology for identifying and modeling business processes for organizing information support	P N Charikov	Ufa State Petroleum Technological University, Branch in Sterlitamak, Sterlitamak, Russian Federation
Camstech-II-5035	Assessment of the effect of the gas separator in the installation electric centrifugal pump for its energy efficiency	A S Topolnikov, I K Gimaltdinov, A A Gimaltdinova and E Y Kochanova	LLC RN-BashNIPIneft, Ufa, Russia; Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-5036	Mathematical model of a device for the elimination of deep-water leaks accompanied by hydrate formation	S R Kildibaeva, I K Gimaltdinov and A S Chiglintseva	Sterlitamak branch of Bashkir state University, Sterlitamak, Russia; Ufa State Oil Technical University, Ufa, Russia; Academy of Sciences of Bashkortostan, Ufa, Russia

Camstech-II-5037	Determination of Gas Hydrate Formation in Porous Medium by Acoustic Method	I K Gimaltdinov and I G Khusainov	Ufa State Petroleum Technological University, Ufa, Russia; Sterlitamak Branch Bashkir State University, Sterlitamak, Russia
Camstech-II-5038	Study of Propagation of Acoustic Waves in a Porous Medium Containing Gas Hydrate	I K Gimaltdinov and I G Khusainov	Ufa State Petroleum Technological University, Ufa, Russia; Sterlitamak Branch Bashkir State University, Sterlitamak, Russia
Camstech-II-5039	Waves in a porous medium containing gas hydrate	E. Y. Kochanova, I. K. Gimaltdinov, A. A. Gimaltdinova, and G. F. Burkhanova	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-5040	Problems of using wireless detonation for seismic exploration purposes	D. S. Kudinov, A. A. Shchitnikov, E. A. Kokhonkova and V. V. Radaev	Siberian Federal University
Camstech-II-5041	Study of chaotic dynamics of the parameters of biomedical systems	V V Grigorenko, S A Lysenkova, N B Nazina and A A Egorov	Surgut state University, Surgut, Russia
Camstech-II-5042	On numerical simulation of vibrations in radio-electronic structures	G. G. Yunusov, N.Q. Esanov, Sh.N. Almuratov, Sh. Ablokulov and R. Sobirov	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan

Camstech-II-5044	Edge fields of flat capacitor with two earthed screens	I F Spivak-Lavrov and S Y Sharipov	K. Zhubanov Aktobe Regional University, Aktobe, Kazakhstan
Camstech-II-5045	The Location of Hidden Process in Structure of Building	Nikolay Dorofeev, Anastasya Grecheneva and Ekaterina Pankina	Vladimir State University, Murom, Russian Federation
Camstech-II-5046	Digital Coherent Demodulation of Multi-Level Phase-Shift Keyed and Multi-Level Differential Phase-Shift Keyed Signals	O Chernoyarov, A Makarov, A Glushkov, V Litvinenko and V Mironov	National Research University "MPEI", Moscow, Russia; National Research Tomsk State University, Tomsk, Russia; Maikop State Technological University, Maikop, Russia; Zhukovsky-Gagarin Air Force Academy, Voronezh, Russia; Voronezh State Technical University, Voronezh, Russia
Camstech-II-5047	Structural-Parametric Simulation of a Technological Process as a Prototype of a Technological Process Digital Twin	M Nikitina	V.M. Gorbatov Federal Research Center for Food Systems of RAS, Moscow, Russia
Camstech-II-5048	Mathematical methods of oil and petroleum products spill identification based on application of unmanned aerial systems	A.V. Vytovtov, D.S. Korolev, A.A. Odnolko, D.V. Kargashilov and M.S. Denisov	Voronezh State Technical University, Voronezh, Russia, Voronezh State University, Voronezh, Russia

Camstech-II-5049	The algorithm for early detection of defects at construction objects	Nikolay Dorofeev, Anastasya Grecheneva and Ekaterina Pankina	Vladimir State University, Murom, Russian Federation
Camstech-II-5050	Solution of the problem of distribution of resources allocated to ensure the information security of the enterprise by methods of iterative aggregation	Grobova T.A., Kononova N.V., Agakhanova Y.S., Grobova S.K., Laipanova Z.M.	Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University, Stavropol, Russia, Moscow Institute of physics and technology, Moscow, Russia, North Caucasus state Academy, Cherkessk, Russia, Karachay-Cherkess state university named after U. D. Aliyev, Karachay-Cherkess
Camstech-II-5051	Warren Weaver's Complexity and Fuzziness of Lotfi A. Zadeh Leading to Uncertainty in Biosystem Study	O E Filatova, V A Galkin, V V Eskov, M A Filatov and T V Gavrilenko	Federal Science Center Scientific-research Institute for System Studies of the Russian Academy of Sciences, Surgut, Russia; Surgut state University, Surgut, Russia
Camstech-II-5052	On the issue of modeling complex nonlinear systems	Larisa Gagarina, Julia Shevnina and Andrew Chirkov	National Research University of Electronic Technology, Moscow, Zelenograd, Russia
Camstech-II-5053	Dependence of the diameter of the thread on the parameters of the body structure and the deformability of the knitwear	N. N. Nabidjanova, Kh. Kh. Alimova, Kh. Kh. Umurzakova, Sh. A. Usmanova and J. A. Akhmedov	Namangan Institute of Engineering and Technology, Namangan, Uzbekistan, Tashkent Institute of Textile and Light Industry, Tashkent, Uzbekistan

Camstech-II-5054	Determination of the Rational Diameter of the Pipeline Using the Neural Network Model	Olga Kharitonova, Veronika Bronskaya, Tatiana Ignashina, Dmitry Bashkirov, Denis Balzamov, Ramilya Shaikhetdnova and Ekaterina Davydova	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia
Camstech-II-5055	Neural Network Model of the Hydrodynamics of a Pipeline	Olga Kharitonova, Veronika Bronskaya, Tatiana Ignashina, Dmitry Bashkirov, Ramilya Shaikhetdnova and Ramil Khaliullin	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia
Camstech-II-5057	Mathematical Model of Fracture of a Hydrate Monolith Containing a Spherical Cavity	M V Stolpovsky, A S Chiglintseva and M R Davletshina	Ufa state petroleum technological University, Ufa, Russia
Camstech-II-5058	Analysis of the Comparative Efficiency of Wind Turbines Based on the Basic and Modified DEA Model	I. V. Kovalev, D. I. Kovalev, A. A. Voroshilova, N. A. Testoyedov, E. N. Golovenkin and V. V. Dvirny	Siberian Federal University, Krasnoyarsk State Agrarian University, Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations, Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, JSC Academician M.F. Reshetnev «ISS» Zheleznogorsk, Krasnoyarsk region, Russia

Camstech-II-5059	An analytical method for determining the scope of checks for the reliability of medical devices using parametric models	E Y Churakova	Moscow Aviation Institute (National Research University) Moscow, Russia
Camstech-II-5060	Determination of the effective dimension of big data arrays containing satellite coordinates	M. A. Sadikov, V. V. Mironenko, A. A. Savelyeva, A. S. Polyakova	Reshetnev Siberian state university of science and technology

## Section 6. Biological technologies and life sciences

Camstech-II-7001	Flour grade method of obtaining wheat-flax flour	I Kechkin, V Ermolaev, M Yakovchenko, E Gurkovskaya and I Glebova	All-Russian Scientific and Research Institute for Grain and Products of its Processing - Branch of V.M. Gorbатов Federal Research Center for Food Systems of RAS; Kuzbass State Agricultural Academy; K.G. Razumovsky Moscow State University of technologies and management (the First Cossack University)
Camstech-II-7002	Synergistic effect of trace elements and small molecules of plant origin on taxonomic groups of the rumen microbiome	K N Atlanderova, S A Miroshnikov and G K Duskaev	Federal Research Centre of Biological Systems and Agrotechnologies of the RAS, Orenburg, Russia

Camstech-II-7003	Application of cocoa husk as a natural biological feed additive for broiler chickens	V. V. Grechkina, S. A. Medvedev, S. V. Lebedev, E. V. Sheida, E. P. Miroshnikova, O.V. Shoshina and I.S. Miroshnikov	Federal State Budgetary Scientific Institution «Federal Research Centre of Biological Systems and Agrotechnologies of the Russian Academy of Sciences», Orenburg, Russia; Orenburg State University, Orenburg, Russia
Camstech-II-7004	Technological features of restaurant gastronomy business development in Kemerovo region in the XX century	V A Ermolaev, I A Kechkin, E V Makhacheva, M A Yakovchenko, O B Sosnina	Department of Commodity Science and Expertise, Plekhanov Russian University of Economics; Department of Technology and Organization of Food Production, Faculty of Business, Novosibirsk State Technical University (NSTU); Kuzbass State Agricultural Academy
Camstech-II-7005	Biological features of the inclusion of extrudates in the diet of broiler chickens and their effect on the microbiota	T N Kholodilina, T A Klimova and M YA Kurilkina	Federal Research Centre of Biological Systems and Agrotechnologies RAS, Orenburg, Russian Federation
Camstech-II-7006	Biological Characteristics of Laboratory Rats under Experimental BLV Infection	E S Krasnikova, A V Krasnikov, R V Radionov and A Yu Svetozarova	Michurinsk State Agrarian University, Michurinsk; Saratov State Vavilov Agrarian University, Saratov, Russia
Camstech-II-7007	Change in the amino acid composition of bean proteins during hydrothermal treatment	N. T. Shamkova, A. M. Abdulhamid and J. S. Aleshkevich	Kuban State Technological University, Krasnodar, Russia

Camstech-II-7008	The results of the genetic study of the Russian aberdeen angus cattle populations	E N Konovalova, O S Romanenkova and V V Volkova	L.K. Ernst Federal Research Center for Animal Husbandry, Dubrovitsy, Russia
Camstech-II-7009	Scientific basis for the use of topinambur ( <i>Helianthus tuberosus</i> L.) paste in technology of combined puree	T N Safronova, O M Evtukhova and T A Balyabina	Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-7010	Assessment of the prenatal impact of manganese on behavioral responses and level of acetylcholinesterase in laboratory animals	T V Kazakova, O V Marshinskaia and S V Notova	Federal Research Center for Biological Systems and Agrotechnologies of the Russian Academy of Sciences, Orenburg, Russian Federation; Orenburg State University, Orenburg, Russian Federation
Camstech-II-7011	Assessing the Functional Efficiency of Tourist and Recreational Clusters in the Regions of Russia	L V Evgrafova, N A Sergeeva, I Z Ismailova, V I Eremin and M V Sherstyuk	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow
Camstech-II-7012	Morphological diversity of the nasal planum of German Shepherd and Belgian Shepherd (Malinois)	T V Tikhonova, Y R Sadykova and E A Kornilova	The Perm Military Institute of the National Guard Forces of the Russian Federation, Perm, Russia

Camstech-II-7013	Technology of the Effect of the Preparation from Aralia Mandshurica on the Growth of Pigs and the Digestibility of Nutrients in Diets	Yu P Nikulin, O A Nikulina and Z V Tsoy	Primorsky State agricultural academy, Ussuriisk, Russian Federation
Camstech-II-7014	Analysis of the Influence of the Use of Biological Products on the Andrological and Morphophysiological Status of Boars	I Yu Arestova, E G Sharonova and M Yu Kupriyanova	I.Y. Yakovlev State Pedagogical University of Chuvash, Cheboksary, Russia
Camstech-II-7015	Morphological and functional status of hemocytes in species of the order Blattodea	A A Prisnyi and E A Grebtsova	Federal State Autonomous Educational Institution of Higher Education «Belgorod State National Research University», Belgorod, Russia
Camstech-II-7016	The problem of biological and epizootic research of ophthalmological and parasitological investigation of thelaziosis	F I Vasilevich, S V Saroyan, O E Davydova, N V Pimenov	Moscow state Academy of Veterinary Medicine and Biotechnology - MVA by K.I. Skryabin
Camstech-II-7017	Technologies of immunomodulator's usage in cattle	S V Ponosov	The Perm Institute of the FPS of Russia, Perm, Russia

Camstech-II-7018	Comparison of the main methods for laboratory diagnosis of dermatophytosis	V A Savinov, R S Ovchinnikov, A I Laishevtsev, E A Melnikova and A V Kapustin	Federal State Budget Scientific Institution "Federal Scientific Centre VIEV" (FSC VIEV)
Camstech-II-7019	Research of Quality Characteristics of Beef Obtained by Using a Non-Traditional Protein Additive in the Diet	M. I. Slozhenkina, M. E. Spivak, A. A. Mosolov, P. S. Andreev-Chadaev, E. Y. Bondarkova and I. A. Semenova	Volga Region Scientific Research Institute of Meat-and-Milk Production and Processing; Volgograd State Agrarian University
Camstech-II-7020	Research of the Biological Features of the Growth Dynamics and Intensity of Young Minks of the Ampalosapphire Breed	N A Balakirev, O I Fedorova, E A Orlova and I D Antonova	Moscow state Academy of Veterinary Medicine and Biotechnology – MVA by K.I. Scriabin
Camstech-II-7021	The aftereffect of tanamin-Zn on nitrogen metabolism in fresh cows and calves in early ontogeny	V V Semenyutin, A I Omelchuk, I A Kramareva, N V Bezborodov and E V Lavrinova	Belgorod State Agrarian University named after V.Ya. Gorin
Camstech-II-7022	Influence of Holsteinization on the biological productivity and genotypic structure of the Simmental breed	Galina M Goncharenko, N B Grishina, T S Khoroshilova, O L Khalina and S B Yarantseva	Siberian Federal Scientific Center of Agrobiotechnologies RAS Krasnoobsk Nobosibirsk Region Russia

Camstech-II-7023	Radical generation by animal cells under the impact of low doses of ionizing radiation “in vivo” and “in vitro”	A S Fedotova, E G Turitcyra, G V Makarskaya and S V Tarskikh	Krasnoyarsk State Agrarian University, Krasnoyarsk. Russia Institute of Computational Modelling SB RAS, Krasnoyarsk,Russia ISC of Researches of Extreme Conditions of an Organism at the Presidium of the FIC KSC SB RAS,Krasnoyarsk,Russia
Camstech-II-7024	Biological Trait Analysis of Dairy Cattle Heredity	S D Batanov, O S Starostina, I A Baranova, M M Shaidullina and L V Kornilova	Izhevsk State Agricultural Academy, Izhevsk, Russia
Camstech-II-7025	Technology of the influence of medicinal plant extracts on changes in the metagenomic composition of the rumen	Nurzhanov B.S., Duskaev G.K., Rakhmatulin Sh.G., Makaeva A.M., Atlanderova K.N., Kvan O.V.	Federal Research Centre of Biological Systems and Agrotechnologies of the RAS
Camstech-II-7026	Metagenomic analysis of the microbiome of the large intestine of cattle with additional inclusion of ultrafine particles Cr <sub>2</sub> O <sub>3</sub>	E V Sheida, S V Lebedev, G K Duskaev, V A Ryazanov, S A Miroshnikov and V V Grechkina	Federal Research Centre of Biological Systems and Agrotechnologies RAS, Orenburg, Russia; Orenburg State University Orenburg, Russia
Camstech-II-7027	Study of the biological characteristics of the disintegration of dry matter and yellow melilot protein in the rumen of cows	Y N Litvinov, V V Semenyutin and A A Manokhin	Belgorod State Agricultural University named after V. Gorin, Mayskiy, Russia

Camstech-II-7028	The application of recombinant Vp60-based ELISA for haemorrhagic disease virus antibody detection to vaccination against RHD	Selezneva E.V., Mukhin A.N., Ezdakova I.Yu., Verkhovsky O.A., Aliper T.I.	“Vetbiochem OOO”, Independent Non-Profit Organization “Diagnostic and Prevention Research Institute for Human and Animal Diseases”, Federal Scientific Centre VIEV, Moscow, Russia.
Camstech-II-7029	Analysis of dynamics of phagocytic indices in ducklings caused by administration of Enrofloxacin	A A Prisnyi, A A Moiseeva, V N Skvortsov and S S Belimova	Federal Research Center – All-Russian Research Institute of Experimental Veterinary Medicine named after K.I. Scriabin and Ya.R. Kovalenko of the Russian Academy of Sciences, Belgorod Department; Federal State Autonomous Educational Institution of Higher Education «Belgorod State National Research University», Belgorod, Russia
Camstech-II-7030	The influence of the industrial pig complex environment on the age characteristics of the livestock	IV Kulachenko, VV Dronov, MI Stacenko , SV Vorobievskaya	Belgorod State Agricultural University named after V. Gorin
Camstech-II-7031	Biological Study of Subchronic Toxicity of the Supramolecular Complex Ivermectin in rats	M B Musaev, V V Zashchepkina, E E Belova and S S Khalikov	Federal State Budget Scientific Institution “Federal Scientific Centre VIEV”;A.N.Nesmeyanov Institute of Elementoorganic Compounds RAS

Camstech-II-7032	Biological aspects of changes in the rumen microbiome of cattle by means of a mixture of calcium salts of fatty acids and triglycerides	V A Ryazanov, S V Lebedev, Sh G Rakhmatullin, I S Miroshnikov, E V Sheida and G K Duskaev	1Federal Research Centre of Biological Systems and Agrotechnologies, RAS, Orenburg, Russia
Camstech-II-7033	Potential of the bacterium <i>Pseudomonas stutzeri</i> as a plant growth stimulator and a destructor of technogenic pollutants	E A Gilvanova, P Yu Milman, A S Ryabova and N F Galimzyanova	Ufa Federal Research Centre of the Russian Academy of Sciences, Institute of Biology, Ufa, Russia
Camstech-II-7034	Morphological and biochemical changes in the blood of animals poisoned with Bideron	Sadikov Iskandar, Rajabova Gulandom, Saidova Khulkar, Ergasheva Marziya, Kulieva Dilafuz	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Camstech-II-7035	Actual biotechnologies of an antibacterial nature using bacteriophages against the pathogenic microbiota of the visual organ	A V Pavlova, N V Pimenov, R F Ivannikova, S V Pozyabin and A S Tishchenko	State Educational Institution of Higher Education «Lugansk National Agrarian University», Lugansk, Ukraine; Federal State Budgetary Educational Institution of Higher Education «Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin», Moscow; Federal State Budgetary Educational Institution of Higher Education «Kuban State Agrarian University named after I.T. Trubilin», Krasnodar, Russia

Camstech-II-7036	Biological aspects of the use of a silver-based preparation in poultry farming	R F Ivannikova, E V Bessarabova and A M Lunegov	Federal State Budgetary Educational Institution of Higher Education «Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin», Federal State Budgetary Educational Institution of Higher Education «St. Petersburg State University of Veterinary Medicine»
Camstech-II-7037	Study of the Effect of Intrauterine Chlamydia Infection on Destruction of Bovine Offspring Tissue	O V Kochetova, N A Tatarnikova, K A Sidorova and S N Kostarev	Perm State Agro-Technological University named after Academician D N Pryanishnikov, Perm; Perm Institute of the FPS of Russia, Perm; Northern Trans-Ural SAU, Tyumen; Perm Military Institute of National Guard Troops of the Russian Federation, Perm; Perm National Research Polytechnic University, Perm, Russia
Camstech-II-7038	Plasma concentration of thyroid hormones and corticosterone in hypothyroid rats and its correction with synthetic enkephalin	D V Garmaeva, D S Adushinov, A I Kuznetsov and F S Mirvaliyev	Federal State Budgetary Scientific Institution Irkutsk Scientific Research Institute of Agriculture; Federal State Budgetary Education Institution of Higher Education "Irkutsk State Agrarion University named after A A Ezhevsky", Irkutsk, Russia
Camstech-II-7039	Specific features of sterilization technologies of the in vitro culture of the plant <i>Circaea lutetiana</i> L.	Irina Anikina, Aida Abiyeva	Toraigyrov University

Camstech-II-7040	Production Technologies of Fermented Milk Dessert with Synbiotic Properties	Dmitriy Aleksandrovich Skachkov, Ivan Mikhailovich Volokhov, Denis Nikolaevich Pilipenko and Ludmila Fedorovna Obrushnikova	1 Volgograd State Technical University, 28 Lenin ave., Volgograd, 400066, Russia, 2 All-Russian research institute of animal breeding, 13 Lenin st., Lesnye Polyany village, Pushkinsky District, Moscow Region, 141212, Russia 3 Volga Region Scientific Research Institute of Meat-and-Milk Production and Processing, 6 Rokossovskogo st., Volgograd, 400131, Russia
Camstech-II-7041	Analysis of the Efficiency of the Use of Biological Nutrients and Feed Energy in Animal Husbandry	S. S. Zhaimysheva, V. I. Kosilov, T. G. Gerasimova, E. A. Nikonova and S. D. Tyulebaev	Orenburg State Agrarian University, Federal Research Centre of Biological Systems and Agrotechnologies of the Russian Academy of Sciences Orenburg, Russia
Camstech-II-7042	Characterization of microbial communities from the water and endemic sponges, <i>Lubomirskia baikalensis</i> , of Lake Baikal during environmental changes	I A Lipko, A Yu Krasnopeev, I V Tikhonova, O A Timoshkin, M R Kabilov and O I Belykh	Limnological Institute, SB RAS, Irkutsk, Russia; Institute of Chemical Biology and Fundamental Medicine, SB RAS, Novosibirsk, Russia
Camstech-II-7043	Biological features of Nutria pancreas ( <i>Myocastor coypus</i> ) exocrine part postnatal morphogenesis	S P Dannikov, A N Kvochko and O V Dilekova	Stavropol State Agrarian University, Stavropol, Russia

Camstech-II-7044	Introduction of effective biological stimulants affecting lactating cows: using cyanoforn	I N Medvedev, O N Makurina and G S Mal	Russian State Social University, Moscow, Russia; Samara University, Samara, Russia; Kursk State Medical University, Kursk, Russia
Camstech-II-7045	Antibiotic resistance of bacteria isolated from domestic animals and their owners	I N Lykov, I E Galemina, N S Zaitseva and Y A Kapinus	Kaluga State University named after K.E. Tsiolkovsky Kaluga, Russia
Camstech-II-7046	Activation of <i>Caenorhabditis elegans</i> cholinergic system by food deprivation and octopamine	A V Egorova, A F Gatiyatullina, D M Khakimova, R R Shagidullin and T B Kalinnikova	Research Institute for Problems of Ecology and Mineral Wealth Use of Tatarstan Academy of Sciences, Kazan, Russian Federation; Kazan Federal University, Kazan, Russian Federation
Camstech-II-7047	Biological state of <i>Crassostrea gigas</i> in the coastal zone of Rikord Island (Peter the Great Bay)	I V Matrosova, T S Shulga and A A Politaeva	Far Eastern State Technical Fisheries University, Vladivostok, Russia
Camstech-II-7048	Vermicomposted substrates microbiological assessment	T D Yampolskaya, I A Gritsenko and N V Nakonechny	Surgut State University, Surgut, Russia
Camstech-II-7049	Biological safety of food and medicinal raw materials of animal origin: modern data	G.A. Nadtochey, S.W. Vangeli	Federal Research Center - All-Russian Research Institute of Experimental Veterinary Medicine named after K.I. Skrjabin and Y. R. Kovalenko of the

			Russian Academy of Sciences. Moscow.
Camstech-II-7050	Technological features of the influence of vegetable raw materials on the nutritional value of ice cream	P. Golinitzkiy, E. Cherkasova, D. Bogolyubova, U. Antonova and S. Toygambaev	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia
Camstech-II-7051	Indicators of digestibility and metabolism of nutrients, productivity in sheep when feeding them unconventional feed additives in Yakutia	A I Grigoreva, M F Grigorev, I V Gogoleva and A I Ivanov	Arctic State Agrotechnological University, Yakutsk; North-Eastern Federal University named after M.K. Ammosov, Yakutsk
Camstech-II-7052	Biological aspects of prevention and therapy of intraoperative cardiac arrhythmias during operations of domestic animals with neurological deficits	F. A. Gryadunova	Moscow State Academy of Veterinary Medicine and Biotechnology - MVA by K. I. Skryabin, Moscow, 109472, Arademika Scriabina st., 25/1 k 1, Russian Federation
Camstech-II-7053	Murine embryonic stem cells with equine genes	I P Savchenkova, E A Savchenkova and Yu A Osipova	Federal State Budget Scientific Institution "Federal Scientific Centre VIEV" (FSC VIEV)

Camstech-II-7054	Biological correlation of productive qualities of Holstein black-and-white cattle by lactation	O V Gorelik, O E Lihodeevskaya, N N Zezin, M Ya Sevostyanov and O I Leshonok	Research Center of the Ural Branch of the Russian Academy of Sciences, Yekaterinburg, Russian Federation
Camstech-II-7055	The eastern mole vole <i>Ellobius tancrei</i> Landscape distribution in the Jizzakh region (Lake Tuzkan, Farish district, Uzbekistan)	L B Mardonova, M G Mitropolsky, T V Abduraupov and S N Gashev	University of Tyumen, Tyumen, Russia; Institute of Zoology of the Republic of Uzbekistan Academy of Sciences, Tashkent, Uzbekistan
Camstech-II-7056	Biological Features of Morphogenetic Activity of Generative Tissues <i>Rubus Chamaemorus</i> L. depending on the Nutrient Medium Used in the in Vitro Culture	D N Zontikov, S A Zontikova, K V Malahova, A V Alekseev and R V Sergeev	Kostroma State University, Kostroma, Russia; Volga State University of Technology, Yoshkar-Ola, Russia
Camstech-II-7057	New biological active additive DBA Fitos for poultry farming development	O N Yastrebova, I A Koshchaev, S N Kotlyarova, E N Chernova and P V Gorodov	Belgorod State Agrarian University named after V. Ya. Gorin, Maisky village, Russia; SEC Gorin Collective Farm, Bessonovka village, Russia
Camstech-II-7058	The action mechanism of the promising fungal producer strain of the microbiopreparation M-24 <i>Penicillium</i> sp. on the pathogen of sunflower <i>Phoma rot</i> .	L V Maslienko, A Kh Voronkova, E A Efimtseva and L A Datsenko	V.S. Pustovoit All-Russian Research Institute of Oil Crops, Krasnodar, Russia

Camstech-II-7059	Analysis of biological activity predicted by oxaloacetate, gene expression and viability of dermal fibroblasts	N A Kolotyeva, L V Limareva, F N Gilmiyarova, V V Boltovskaya, P Ilyasov, O A Gusyakova and V V Remizov	Samara State Medical University, Samara, Russia; Institute of Experimental Medicine and Biotechnology of Samara State Medical University, Samara, Russia
Camstech-II-7060	Comparative analysis of the features of the formation of the extracellular matrix of bone tissue in 2D and 3D models of in vitro cultivation	P A Ivanov, K A Yurova, O G Khaziakhmatova, V V Shupletsova, E O Shunkin, V V Malaschenko, I K Norkin, I A Khlusov and L S Litvinova	Immanuel Kant Baltic Federal University, Kaliningrad, Russia; Siberian State Medical University, Tomsk, Russia
Camstech-II-7061	Efficiency of the technology for the restoration of articular cartilage and subchondral bone defects using a bioactive degradable implant made of polycaprolactone and hydroxyapatite	A V Popkov, E S Gorbach, E N Gorbach, N A Kononovich and D A Popkov	Russian Ilizarov Scientific Center "Restorative Traumatology and Orthopaedics", Kurgan, Russia
Camstech-II-7062	Using prebiotic efficiency and probiotic in the Ross-308 cross growing broiler chickens technology	I V Chervonova	Orel State Agrarian University named after N.V. Parahin, Orel, Russia
Camstech-II-7063	Genetic constants of CAPN1, TG5, GH and LEP genes in Hereford bull-	M P Dubovskova, N P Gerasimov	Federal Research Centre of Biological Systems and Agro-technologies of the Russian Academy of Sciences, 29, 9 Yanvary Str., Orenburg, 460000, Russia

calves and heifers of  
different generations

Camstech-II-  
7064

The combined effect of the  
C73T and C528T  
polymorphisms of the leptin  
gene on the formation of  
meat productivity in  
Aberdeen-Angus cows and  
heifers

N P Gerasimov, K M Dzhulamanov, S V  
Lebedev, V I Kolpakov

Federal Research Centre of Biological  
Systems and Agrotechnologies of the  
Russian Academy of Sciences, 29, 9  
Yanvarya St., Orenburg, 460000,  
Russia

Camstech-II-  
7065

Polymorphism of CAPN1,  
TG5, GH, LEP genes and  
integral indicators of fatty  
acid metabolism in  
Hereford heifers of different  
generations

M P Dubovskova, L N Chizhova,  
N P Gerasimov, A K Mikhaylenko, Ye S  
Surzhikova

Federal Research Centre of Biological  
Systems and Agrotechnologies of the  
Russian Academy of Sciences, 29, 9  
Yanvarya St., Orenburg, 460000,  
Russia 2All-Russian Research Institute  
of Sheep Breeding and Goat Breeding  
– branch FSBSI “North Caucasian  
Federal Agricultural Research  
Center”, 15, Zootechnicheskii Ln,  
Stavropol, 356241, Russia 3Stavropol  
State Medical University, 310, Mira  
street, Stavropol, 355017, Russia

Camstech-II-  
7066

Environmental impact of  
the North-West taiga  
ecosystem of Russia on  
the biological

T A Moiseeva

Petrozavodsk State University,  
Petrozavodsk

characteristics of small mammals: Blood indices

Camstech-II-7067

Technological effect of a phytobiotic supplement on the development of immune organs in the experimental poultry farming

E V Shatskikh, D E korolkova-Subbotkina, D M Galiev, O V Chepushtanova and I V Rogozinnikova

Ural State Agrarian University

Camstech-II-7068

Immunobiological resistance and humoral protection factors in animals

Vladimir Terekhov, Alexander Tishchenko, Nikolay Pimenov and Regina Ivannikova

State budgetary professional educational institution of the Krasnodar Territory «Pashkovsky Agricultural College»; Federal State Budgetary Educational Institution of Higher Education «Kuban State Agrarian University named after I.T. Trubilin», Krasnodar; Federal State Budgetary Educational Institution of Higher Education «Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin», Moscow, Russia

Camstech-II-7069	Biological Mechanisms of reparative regeneration in primary corneal ulcer in horses	A A Stekolnikov, A V Goncharova and L F Sotnikova	<p><sup>1</sup>Saint Petersburg State University of Veterinary Medicine, Saint Petersburg, Russia</p> <p><sup>2</sup>Moscow State Academy of Veterinary Medicine and Biotechnology – MVA by K.I. Skryabin, Moscow, Russia</p> <p><sup>1</sup>Moscow State Academy of Veterinary Medicine and Biotechnology – MVA by K.I. Skryabin, Moscow, Russia</p>
Camstech-II-7070	Ecological problems in itheology of uveitis	L F Sotnikova, A V Goncharova, S F Nazimkina and A F Baranova	<p><sup>2</sup>FSBEI «Vladimir state University named after A. G. and N. G. Stoletov», 87, Gorkogo street, Vladimir, 600000, Russian Federation</p>
Camstech-II-7071	Morphological features of skin and fur structure of standard black mink	N N Loenko, V N Kulikov and I P Ludnov	Federal State Budget Scientific Institute «Scientific Research Institute of Fur - Bearing Animal Breeding and Rabbit Breeding named after V A Afanas`ev», Rodniki, Russia
Camstech-II-7072	Biological importance of physiological dynamics research of general hematological parameters of productive animals	E S Tkacheva and I N Medvedev	Vologda State Dairy Farming Academy named after N.V. Vereshchagin, Vologda, Russia; Russian State Social University, Moscow, Russia

Camstech-II-7073	Introduction of effective biological stimulants affecting lactating cows: using cyanoform	S Yu Zavalishina	Russian State Social University, Moscow, Russia
Camstech-II-7074	Karyological Studies of Hieracium iremelense (Elfstr.) Juxip (Asteraceae), a High-Mountain Endemic of the South Urals	N A Kalashnik, A A Muldashev, O A Elizaryeva and N V Maslova	Ufa Institute of Biology, Ufa Federal Research Centre, Russian Academy of Sciences, Russia, Ufa
Camstech-II-7075	Biological technologies of polyclonal anti-idiotypic antibodies that mimic the «internal image» of turkey herpes virus antigens	E I Yarygina, M C Kalmikova, R F Ivannikova and N V Pimenov	Federal State Budgetary Educational Institution of Higher Education «Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin». Moscow, Russia

## Section 7. Energy, chemical technologies and ecological engineering

Camstech-II-6001	System of prompter and virtual laboratory for chemical industry	I V Isaev, V D Munister, A L Zolkin, I I Tronov and K A Kovaleva	MTS PJSC, Moscow; Private educational institution "Donetsk Academy of Transport", Donetsk, Ukraine; State educational institution of higher professional education "Donetsk National Technical University", Pokrovsk, Donetsk region, Ukraine; Povolzhskiy State University of Telecommunications and Informatics, Samara; Saint Petersburg State University of Architecture and Civil Engineering, Saint Petersburg; Federal State Budgetary Educational Institution of Higher Education "Kuban
------------------	-----------------------------------------------------------------	------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

State Agrarian University named after I.T. Trubilin”, Krasnodar, Russia

Camstech-II-6003	Analysis of the feasibility of using a steam turbine drive for feed pumps of a thermal power plant	D S Balzamor, V V Bronskaya, G Z Khabibullina, A A Lubnina and Kotova N V	Kazan State Power Engineering University, Kazan; Kazan National Research Technological University, Kazan; Kazan (Volga region) Federal University (KFU), Kazan, Russia
Camstech-II-6004	Methodological Tools for Environmental and Economic Assessment of the Innovative Use of Helicopter Technology in the Oil and Gas Complex	Yuriy Krivolutsky	Moscow Aviation Institute (National Research University), Moscow, Russia
Camstech-II-6005	Determination of kinetic parameters and conditions of the spontaneous combustion of coal during its transportation	V A Rodionov, I L Skripnik, Yu G Ksenofontov, T T Kaverzneva, J I Idrisova and I V Alibekova	Saint Petersburg mining University; Saint-Petersburg University of State Fire Service of EMERCOM of Russia; Peter the Great St.Petersburg Polytechnic University, Saint-Petersburg; Orel State Agrarian University named after N.V. Parakhin, Orel, Russia
Camstech-II-6006	Underwater wireless communication networks in the marine environmental monitoring system	N M Bozhuk, V L Martynov, I L Skripnik, Yu G Ksenofontov and T T Kaverzneva	Admiral Makarov State University of Maritime and Inland Shipping; Saint-Petersburg University of State Fire Service of EMERCOM of Russia; Peter the Great St.Petersburg Polytechnic University, Saint-Petersburg, Russia

Camstech-II-6008	Reconstruction of the amine filtration system	Denis Balzamov, Veronika Bronskaya, Ramilya Shaikhetdinova, Alsu Lubnina and Nina Kotova	Kazan State Power Engineering University, Kazan; Kazan National Research Technological University, Kazan; Kazan (Volga region) Federal University (KFU), Kazan
Camstech-II-6009	Quantum chemical analysis of the proton-catalyzed isomerization of 2,2,5,5-tetramethyl-1,3-dioxane to 1-oxo-2,2,6-trimethyl-4-oxaheptane	E I Kurilova and E A Kantor	RN-BashNIPIneft LLC, Ufa, Russia; Ufa State Petroleum Technical University, Ufa, Russia
Camstech-II-6010	The impact of climate change on the formation of mechanisms for the sustainability of natural and agricultural landscapes	E. A. Batrachenko, I. A. Goneev, N. V. Dolgopolova, T. A. Dudkina and O. P. Lukashova	Kursk State University, Kursk State Agricultural Academy n. after I. I. Ivanov, Kursk FANZ
Camstech-II-6011	Human factor management tool while performing high-risk work in thermal power engineering	E E Meleschenko, V V Kuleshov, A L Zolkin, Yu N Koval and A G Kudryakov	FSBEI HE Omsk State Technical University, Omsk; Povolzhskiy State University of Telecommunications and Informatics, Samara; FSBEI HE Siberian Fire and Rescue Academy EMERCOM of Russia, Zheleznogorsk, Krasnoyarsk Krai; Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russia
Camstech-II-6012	Environmental Assessment Of The Soil Cover Technogenic	Lyudmila Zhichkina, Vladimir Nosov, Kirill Zhichkin, Sergei	Samara State Agrarian University, Kinel; K.G. Razumovsky Moscow State University of technologies and management, Moscow; Saratov State

	Contamination With Heavy Metals	Tkachev, Darya Vorob'eva and Svetlana Rubtsova	Vavilov Agrarian University, Saratov, Russia
Camstech-II-6013	Use of waste petroleum coke as a fuel and reducing agent in the production of binding materials	A.V. Suslikov, B.S. Zhirnov, F.R. Murtazin and L.F. Ishkinina	Ufa State Petroleum Technical University, Branch of the University in the City of Salavat, Salavat, Russian Federation
Camstech-II-6014	Current Leads in Power Transmission Lines with Superconducting Cables and Simulation of its Operation	Vleriy Firsov, Alexey Yakovlev, Ilia Antyukhov, Dmitry Golovanov	New Technologies Research Center, Moscow Aviation institute (National Research University), Moscow, Russian Federation
Camstech-II-6016	Monitoring the Potential Gradient of the Electric Eield the Atmosphere on the Kamchatka Peninsula and on the Paramushir Island (Kuril Islands)	R R Akbashev, P P Firstov, D I Budilov and I A Zavodevkin	Kamchatka Branch of the Geophysical Survey, Russian Academy of Sciences, Petropavlovsk-Kamchatsky, Russia; Kamchatka State University Vitus Bering, Petropavlovsk-Kamchatsky, Russia
Camstech-II-6017	Relationship of Subsoil Radon in Kamchatka (Russia) with Strong Earthquakes in the Northwestern Framing of the Pacific Ocean	P Firstov and E Makarov	Kamchatka Branch of Federal Research Center, Geophysical Survey RAS, Petropavlovsk-Kamchatsky, Russia; Kamchatka State University named after Vitus Bering, Petropavlovsk-Kamchatsky, Russia

Camstech-II-6018	Mathematical Model of the Stick-Slip Effect for Describing the "Drumbeat" Seismic Regime During the Eruption of the Kizimen Volcano in Kamchatka	R I Parovik, A A Shakirova and P P Firstov	Vitus Bering Kamchatka State University, Petropavlovsk-Kamchatsky, Russia; Institute for Cosmophysical Research and Radio Wave Propagation, Far East Branch of Russian Academy of Sciences, Petropavlovsk-Kamchatsky, Russia; Kamchatka Branch of the Geophysical Survey, Russian Academy of Sciences, Petropavlovsk-Kamchatsky, Russia
Camstech-II-6019	Evaluation of the technical and economic efficiency of heat supply system modernization using cobb-douglas production functions	A. V. Bondarev, A. V. Smirnov, S. V. Sarkisov and R L Kashcheev	Military Institute (engineering) of the Military Academy logistics support named after Army General A. V. Hrulev, St. Petersburg, Russia
Camstech-II-6020	Research of the Process of Solid Dissolution in a Machine with Mechanical Mixing	Olga Kharitonova, Veronika Bronskaya, Tatiana Ignashina, Denis Balzamor, Irina Vishnyakova, Dmitry Bashkirov and Ekaterina Davydova	Kazan National Research Technological University, Kazan State Power Engineering University, Kazan, Russia
Camstech-II-6021	Mathematical modeling of dust and gas emissions at technosphere objects	Alla V. Zvyagintseva, Svetlana A. Sazonova, Nikolay V. Mozgovej and Anna A. Meshcheryakova	Voronezh State Technical University; Voronezh State Technical University; Voronezh State Technical University; Voronezh State Forestry University named after G. F. Morozov, Voronezh, Russia

Camstech-II-6022	Carcinogenic risk to public health from air pollution in industrial cities of the Central Black Earth Region	O V Klepikov, S A Kurolap and T I Prozhorina	Voronezh State University, Voronezh, Russia
Camstech-II-6024	Features of Methane Gas Hydrate Decomposition during Formation Purging	M R Davletshina, A S Chiglintseva, I K Gimaltdinov and M V Stolpovsky	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-6025	Axisymmetric Problem of Methane Substitution from a Gas Hydrate Deposit during Carbon Dioxide Injection	A S Chiglintseva, I K Gimaltdinov, M K Khasanov and M V Stolpovsky	Ufa State Petroleum Technological University, Ufa, Russia; Sterlitamak branch of Bashkir state University, Sterlitamak, Russia
Camstech-II-6026	Detection toxic substances in aqueous solutions	S V Sarkisov, V B Konovalov, A V Bondarev, N V Lopatin and S Z El-Salim	Military Institute (engineering) of the Military Academy logistics support named after Army General A. V. Hrulev, St. Petersburg, Russian Federation
Camstech-II-6027	The Description of the process of decomposition of hydrate in a steel dome-separator	A S Chiglintseva, I K Gimaltdinov, A A Nasyrov and I A Chiglintsev	Ufa State Petroleum Technological University, Ufa, Russia; BirsK branch of Bashkir State University, BirsK, Russia
Camstech-II-6029	Electrochemical Synthesis of Oxidizing Reagent - Sodium Ferrate in Aqueous Solutions of Sodium Hydroxide	Boris M.Grishin, Sergey Yu. Andreyev, Irina A. Garkina, Marina V. Bikunova, Sergey M. Salmin, Konstantin V. Lebedinskiy	Penza State University of Architecture and Construction; Penza State University, Penza, Russia

Camstech-II-6030	Ecological monitoring of the soil of forest nurseries of the Republic of Khakassia	Fomina Natalya Valentinovna	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Camstech-II-6031	Energy and thrust characteristics of MHD inductors for stirring liquid aluminum	Evgeny S Kinev, Alexey A Tyapin, Vasily I Panteleev, Alexander V Litovchenko, Sergei N Efimov, Vyacheslav V Molokov	Thermal electrical systems LLC, Siberian Federal University, Reshetnev Siberian State University of Science and Technology, Siberian Law Institute of the Ministry of Internal Affairs of Russia, Krasnoyarsk, Russia
Camstech-II-6032	The Connectedness Between Past and Future States of Biosystems	V M Eskov, V A Galkin and O E Filatova	Federal research center for scientific research institute of system research of the Russian Academy of Sciences, Surgut, Russia
Camstech-II-6033	The Theoretical Study Of Carbonate Matrix Acidizing Efficiency	R N Yakubov and I K Gimaltdinov	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-6035	Research of the processes of hydrate formation with an impactable boundary initially saturated with methane and ice	M R Davletshina, A S Chiglintseva and M V Stolpovsky	Ufa state petroleum technological University, Ufa, Russia
Camstech-II-6036	Renewable Energy Sources in the Russia: Environmental Aspect	Valeriy Yakovlev and Liliya Gotovceva	North-Eastern Federal University, Yakutsk; North-Eastern Federal University, Yakutsk, Russia

Camstech-II-6037	Fuel supply system with the function of improving the quality of low-grade solid fuel	Roman Kondratev and Marina Kocheva	Nizhny Novgorod State University of Architecture and Civil Engineering, Nizhniy Novgorod, Russia
Camstech-II-6038	Lessons from Chernobyl	D V Moiseev and L I Lukina	SEVASTOPOL STATE UNIVERSITY, Sevastopol, Russia
Camstech-II-6039	Analysis of the thermal mode of operation of the current-limiting fuse	A V Shurupov, A V Kozlov, V P Polishchuk, V E Zavalova and A A Kozlov	Joint Institute for High Temperatures of the Russian Academy of Sciences (JOINT RAS), Moscow, Russia
Camstech-II-6040	Processing of aliphatic polymer wastes in brown coal synthesis gas	M. M. Simunin, D. Yu. Chirkov, S. G. Bajakin, S. V. Khartov and A. F. Shimanskii	Federal Research Center «Krasnoyarsk Science Center, Siberian Branch, Russian Academy of Sciences» (FRC KSC SB RAS), Krasnoyarsk, Russia; Reshetnev Siberian State University of Science and Technology (Reshetnev University), Krasnoyarsk, Russia; Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-6041	Technology of Removing Moisture from Oil Sludge in the Framework of the Circular Economy	Rafik Khamidullin, Maksim Velichko, Veronika Bronskaya and Olga Kharitonova	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia

Camstech-II-6042	The effect of vermiculite on the fire protection of composite materials	Natalia G. Chistova, Venera N. Matygulina and Aleksandr Yu. Vititnev	Reshetnev Siberian State University of Science and Technology; Krasnoyarsk Railway Transport Institute, branch of Irkutsk State Transport University, Krasnoyarsk, Russian Federation
Camstech-II-6043	Intensification of Chemical Engineering Processes Based on the Cavitation in the Tubular Turbulent Apparatus	Asiya Mukhametzyanova, Veronika Bronskaya and Olga Kharitonova	Kazan National Research Technological University, Kazan Federal University, Kazan, Russia
Camstech-II-6044	Application of spectral analysis for the recognition of cerebral aneurysms	A Kruzhalov	Moscow Polytechnic University, Moscow, Russian Federation
Camstech-II-6045	Phase equilibria investigation in the Cd <sub>3</sub> As <sub>2</sub> -MnAs-CdAs <sub>2</sub> system	A Ril, S Marenkin, M Vasi'ev, M Dzhahaliddzoda and S Podgornaya	Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Science, Moscow, Russia; National university of science and technology "MISiS", Moscow, Russia
Camstech-II-6047	On the Theory of Destruction of a Gas Hydrate Monolith in the Plane-One-Dimensional Case	M R Davletshina, A S Chiglitseva and M V Stolpovsky	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-6048	Investigation of the Injection of Wet Steam into a Porous Medium of Finite Length, Initially Saturated with Gas	I K Gimaltdinov, M V Stolpovsky, M R Davletshina and A S Chiglitseva	Ufa State Petroleum Technological University, Ufa, Russia

Camstech-II-6049	Formation of hydrate, initially saturated with methane and ice, during the formation blowdown	M V Stolpovsky, M R Davletshina and A S Chiglintseva	Ufa state petroleum technological University, Ufa, Russia
Camstech-II-6050	Stability of the Parametric Phase Multiplier at the Fundamental Frequency	Ivan Bedretskiy, Kamila Jurayeva, Laziz Bazarov, and Zamira Nazirova	Tashkent State University of Transport; Uzbekistan
Camstech-II-6051	A meter of short-term current pulses of large magnitude based on the Rogovsky Coil	Xenia A Klimenko	Omsk State Technical University, Omsk
Camstech-II-6052	Development of ecological trails in the Paanajarvi National Park	T A Moiseeva	Petrozavodsk State University, Petrozavodsk
Camstech-II-6053	The ways of organizing ecological tourism in Karelia	T A Moiseeva	Petrozavodsk State University, Petrozavodsk
Camstech-II-6054	Reliability analysis of the power distribution scheme for the NizhneBoguchanskaya HPP	V I Panteleev, E Yu Sizganova, R A Petukhov, I V Kovalenko and V V Shevchenko	Siberian Federal University, Krasnoyarsk, Russia

Camstech-II-6055	Fuzzy Power Regulator of a Diesel Generator Set with Variable Speed	Vasiliy Panteleev, Roman Petukhov, Gennadiy Pilyugin and Alexander Amuzade	Siberian Federal University, Krasnoyarsk, Russia
------------------	---------------------------------------------------------------------	----------------------------------------------------------------------------	--------------------------------------------------

## Section 8. Materials science and engineering

Camstech-II-1002	Study of used marine oils by the photon correlation spectroscopy method	N. Y. Sinyavsky, I. P. Korneva, A. M. Ivanov and N. A. Kostrikova	Kaliningrad State Technical University, Baltic State Fishing Fleet Academy, Kaliningrad, Russia
Camstech-II-1013	Growing the solid solution of molekular substitution (GaAs) <sub>1-x</sub> (ZnSe) <sub>x</sub>	Saidov Amin Safarbaevich, Saparov Dadazhon Valikhanovich, Usmonov Shukrullo Negmatovich, Gaimnazarov Kurban Gulmuratovich, Maripov Ilhom Isakovich	Physical-Technical Institute RPA "Physics-Sun" AS RUz, Tashkent, Gulistan State University, Uzbekistan
Camstech-II-1014	Development of innovative technologies for deep mineral processing	Elvira Zabneva, Yulia Kuznetsova, Anatoly Poddubnyak and Evgeny Lunev	Kuzbass State Technical University named after T.F. Gorbachev in Novokuznetsk, Russia; OOO «Innovative Initiative», Alchevsk, Ukraine; OOO «Royal Carbon», Kemerovo, Russia
Camstech-II-1015	Photo- and magnetic-field-induced conductivity change in the BiFe <sub>1-x</sub> CoxO <sub>3</sub> films	V. V. Kretinin, O. B. Begisheva, F. V. Zelenov, P. P. Mashkov, A.N. Pavlova	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk

Camstech-II-1016	Research of physical and mechanical properties of plywood based on thermally modified veneer	A I Krivorotova, A A Orlov, Yu A Korchuk and A A Popov	Reshetnev Siberian State University of Science and Technology
Camstech-II-1018	Electrical resistance and impedance of manganese sulfides, substituted by lutetium	Anton M Kharkov, Maksim N Sitnikov, Olga B Begisheva, Alexander V Gelgorn, Oleg S Nikitinskiy, Natalya A Cheremnykh	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia
Camstech-II-1024	Carbon-containing materials for high-temperature friction units	M N Roshchin, A I Lukyanov and A Yu Krivosheev	Mechanical Engineering Research Institute of the Russian Academy of Sciences, Moscow, Russia; OOO "GAZ METALLOKOMPLEKT", Taganrog, Russia
Camstech-II-1035	The type of current carriers and the influence of prehistory on the dynamic magnetic characteristics in HoxMn1-xS	M.N. Sitnikov, S.S. Aplesnin, A.M. Kharkov, O.N. Bandurina	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk
Camstech-II-1037	To the design of the working body of the ground gun	I. S.Fedorchenko, M. M. Litvinova, V. A. Bakach, D. A. Belyaev	Reshetnev Siberian State University of Science and Technology
Camstech-II-1041	Filled polyaluminosilicate in LED emitting element design to increase its limit thermoelectric modes	A.A. Ivanov, V.S. Soldatkin and A.S. Chermoshentseva	Tomsk State University of Control Systems and Radioelectronics, Tomsk; Bauman Moscow State Technical University, Moscow, Russia

Camstech-II-1050	Physicochemical regularities in highly filled polyaluminosilicate applied on aluminum base by 3D aerosol printing	A A Ivanov and A S Chermoshentseva	Tomsk State University of Control Systems and Radioelectronics, Tomsk; Bauman Moscow State Technical University, Moscow.
Camstech-II-1053	Formation of a batch of parts in the conditions of one-off and small-scale production	B.M. Bazrov and N.A. Rodionova	Blagonravov Institute of Mechanical Engineering, Russian Academy of Sciences, Moscow, Russia
Camstech-II-1068	Research on the influence of deformable sheet aluminum alloy rheological behavior on stretch forming process limits	V A Mikheev, E A Nosova, Roberto de Alvarenga and M M Demidova	Samara National Research University, Samara; Samara Scientific Center of the Russian Academy of Sciences, Samara; Ural engineering center, Chelyabinsk, Russia
Camstech-II-1070	Crystal chemistry of anisotropy magnetic properties gas atomization powders of an alloy of the Fe-Nd-B system	Valeriy V. Savin, Artem O. Marukhin, Alexandr V. Osadchy, Ludmila A. Savina and Viktoriia A. Chaika	I. Kant Baltic Federal University
Camstech-II-1078	Synthesis and properties of high temperature self-curing epoxy resin	Alexei Slobodinyuk, Dmitriy Kiselkov, Nadezhda Elchisheva and Daria Slobodinyuk	Institute of Technical Chemistry, Branch of the Perm Federal Research Center, Ural Branch, Russian Academy of Sciences, Perm, Russia
Camstech-II-1079	The clamps of sheet blank movement trajectory simulation under the shell part stretch forming process	V A Mikheev, A F Grechnikova, Roberto de Alvarenga and M M Demidova	Samara National Research University, Samara, Russia

Camstech-II-1081	Structure and properties of elastomers with hard segments and crystallizing soft segments suitable for the Arctic and the Far North	Alexei Slobodinyuk, Dmitriy Kiselkov and Daria Slobodinyuk	Institute of Technical Chemistry, Branch of the Perm Federal Research Center, Ural Branch, Russian Academy of Sciences, Perm, Russia
Camstech-II-2008	Stress-strain condition of flat manhole covers under internal pressure in presence of mechanical defect with different dislocation on surface	A. V. Rubtsov, V.V. Gracheva, P. A. Kulakov and Z. R. Mukhametzyanov	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-2017	Model of intelligent control system of road-building material compaction by pavers	A P Prokopev, Zh I Nabizhanov, V I Ivanchura and V L Sabinin	Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-2018	Modeling the stress-strain state of plates in a form of Reuleaux Triangle Profile during grinding of plastic materials	D.A. Krivov	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Camstech-II-2019	Real-time neural network system for non-destructive control of asphalt mixtures compaction	Zh I Nabizhanov, A P Prokopev, V I Ivanchura and R T Emelyanov	Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-2021	Modeling of the stress-deformed state of a capacitive apparatus with geometric deviations when mounting on a foundation	A V Rubtsov, K S Arkhipova, P A Kulakov, V G Afanasenko, O E Zubkova and Z R Mukhametzyanov	Ufa State Petroleum Technological University, Ufa, Russia

Camstech-II-2028	Electromechanical stand for the process of throwing soil with a cutter-thrower	M A Gnusov, M V Drapalyuk, D Yu Druchinin and L D Bukhtoyarov	Ministry of Science and Higher Education of the Russian Federation, Voronezh State University of Forestry and Technologies named after G.F. Morozov, Voronezh Russian Federation
Camstech-II-3004	Machine-building organization production using quality management methods	E V Priimak and I S Razina	Kazan national research technological University, Russia, Kazan
Camstech-II-5012	Analysis of the stress-deformed state of a tube bundle at different values of partition thicknesses and their deviations from verticality	M M Zakirnichnaya, A V Rubtsov, P A Kulakov and N Galiullina	Ufa State Petroleum Technological University, Ufa, Russia
Camstech-II-5013	Thermoelastic non-stationary fields in a rigidly fixed plate	Kusaeva Zhanslu Maratovna	Samara state technical university
Camstech-II-5026	To the question of determining indicators for evaluating quality compaction and efficiency for pavers	A P Prokopev, Zh I Nabizhanov, R T Emelyanov and V L Sabinin	Siberian Federal University, Krasnoyarsk, Russia
Camstech-II-5043	Dubrovin's method and Ablowitz-Kaup-Newell-Segur hierarchy	A. O. Smirnov, A. S. Kolesnikov	Sankt-Petersburg State University of Aerospace Instrumentation, St.-Petersburg, Russia

Camstech-II-5056	Model for assessing technogenic risks at the enterprises of the fuel and energy complex of the Krasnoyarsk Territory	Y.V. Grebnev, A.K. Moskalev	Siberian Federal University
Camstech-II-6002	Implementation and investigation of a pulsed aluminum-air flame	A.G. Egorov	Togliatti State University
Camstech-II-6034	Selection of an effective catalyst for the stage isoamyl alcohol dehydration during synthesis isoprene from isopentane	E. K. Aminova and A. A. Islamutdinova	Ufa State Petroleum Technological University, Branch in the Sterlitamak, Sterlitamak, Republic of Bashkortostan, Russia
Camstech-II-6046	Gas content of a liquid in threaded roughness recesses and its effect on heat and mass exchange	N A Voinov, D A Zemtsov, A V Bogatkova, N V Deryagina	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russian Federation; Siberian Federal University, Krasnoyarsk, Russian Federation