

III INTERNATIONAL CONFERENCE
Krasnoyarsk-St Petersburg, RUSSIA
3-5 March 2022



«Metrological Support of Innovative Technologies» ICMSIT-III 2022

«Exploring the current state and application of quantum computing»

V S Magomadov



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Introduction

- Quantum computer
- Qubits
- Superposition
- Entanglement



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Necessity

- Cybersecurity
- Financial modelling
- Artificial intelligence
- Biochemical engineering



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Existing quantum computers

- Annealing quantum computer
- Analog quantum computer
- Universal quantum computer



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Challenges

- Environmental requirements
- Complexity



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Contacts

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