



## WORKSHOP **QUANTUM COMPUTING**

By harnessing the power of quantum mechanics, quantum computers hold the potential to revolutionize the way we solve complex problems and conduct business: From healthcare and pharmaceuticals to finance and logistics. Explore the opportunities of this cutting-edge technology in a workshop tailored to your company.

Our excellent researchers at Fraunhofer IKS can help you to inspire quantum innovation within your company. Get in touch with us to discuss your customized workshop concept to bring business and technology together.

PD Dr. habil. Jeanette Miriam Lorenz  
Department Head »Quantum-enhanced AI«

Email [jeanette.miriam.lorenz@iks.fraunhofer.de](mailto:jeanette.miriam.lorenz@iks.fraunhofer.de)  
Phone +49 89 547088-334

Anna Guderitz  
Head of Business Development

Email [anna.guderitz@iks.fraunhofer.de](mailto:anna.guderitz@iks.fraunhofer.de)  
Phone +49 89 547088-354

# 1

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## Introduction to QC

 **GOAL**

**Overview** of QC in a comprehensive way

 **CONTENT**

- What is QC?
- What can QC do?
- Why do I need QC?

 **LENGTH**

½ day

# 2

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## Ideation Phase

 **GOAL**

**Overview** of problem classes and way to find a use case

 **CONTENT**

- Which problem can be solved?
- Which use cases exist?
- How do I find suitable use cases?

 **LENGTH**

1 day

# 3

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## Use Case Exploration

 **GOAL**

Deeper **understanding** of use cases to decide on feasibility study

 **CONTENT**

- Which pain points can QC solve?
- How can I evaluate my use case?
- How can QC advantage be translated into business impact?

 **LENGTH**

1 day

# 4

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## Tutorial: A Use Case Implementation

 **GOAL**

Prototypical **tutorial implementation** of use case

 **CONTENT**

- Which quantum algorithms are suitable?
- How to integrate them into the company workflow?

## FOLLOW UP PROJECT