

# Mission 10 000: Quantum Science & Technologies

October 22<sup>nd</sup> - 24<sup>th</sup> of 2019 | INL, Braga, Portugal

NOTE: This is a tentative schedule, times listed are subject to change. Check back often for updates or subscribe to our newsletter at our website: <https://nanogateway.eu/en/mission-quantum/>

## PROGRAMME | October 22<sup>nd</sup>, 2019

8h45 - 9h10 Registration

9h15

### OPENING SESSION

Lars Montelius, Director-General INL

### MORNING SESSION

#### INVITED TALK

09h30

**Frank Koppens**, ICREA Professor, ERC Starting Grant Award, ERC Consolidator Grant Award.  
Quantum Nano-Optoelectronics Group Leader at ICFO

#### INVITED TALK

10h15

**Rozema Lee**, Faculty of Physics.  
University of Viena

Q. Plasmonics

#### CONTRIBUTED TALK

10h45

Contributed Talk 1

11h00

Coffee break

#### INVITED TALK

11h30

**Asger Mortensen**, Professor & VILLUM Investigator program on Quantum Plasmonics  
University of Southern Denmark

Q. Plasmonics

#### CONTRIBUTED TALKS

12h00

Contributed Talk 2  
Contributed Talk 3

12h30

Lunch break \*

Networking Opportunity

### AFTERNOON SESSION

#### INVITED TALK

15h00

**Joachim von Zanthier**, Associate Professor and Group Leader of Quantum Optics and Quantum Information  
Institute of Optics, Information and Photonics. Friedrich-Alexander University Erlangen-Nürnberg, Germany

Q. Imaging

#### CONTRIBUTED TALK

15h30

Contributed Talk 4

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## PROGRAMME | October 22<sup>nd</sup>, 2019

15h45	POSTER SESSION & Coffe Break	Collaboration opportunities
<b>INVITED TALK</b>		
17h15	<b>Lucas Thiel</b> , Research in the Quantum Sensing Group, Department of Physics University of Basel, Switzerland	Q. Sensing
<b>INVITED TALK</b>		
17h45 - 18h	Invited Speaker TBC	

## PROGRAMME | October 23<sup>rd</sup>, 2019

8h30 - 9h00	Registration	
<b>MORNING SESSION</b>		
<b>INVITED TALK</b>		
9h15	<b>Roser Valentí</b> , Institute for Theoretical Physics University of Frankfurt	Q. Topological Materials
<b>INVITED TALK</b>		
9h45	<b>Ramón Aguado</b> , Theory of Quantum Materials and Solid State Quantum Technologies group leader at Materials Science Institute of Madrid (ICMM) ICMM - CSIC	Q. Topological Materials
<b>CONTRIBUTED TALKS</b>		
10h15	Contributed Talk 5 Contributed Talk 6 Contributed Talk 7	
11h00	Coffee break	
<b>INVITED TALK</b>		
11h30	<b>Juan José García Ripoll</b> , Instituto de Física Fundamental (IFF) IFF Madrid - CSIC	Q. Information & Q. Simulation
<b>INVITED TALK</b>		
12h00	<b>Fabio Sciarrino</b> , Associate Professor in the Department of Physics University Sapienza	Q. Information & Q. Simulation

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12h30 Lunch break \*

Networking Opportunity

### AFTERNOON SESSION

#### INVITED TALK

15h00 **Jeanie Lau**, Professor of Physics  
UC Riverside, California

15h45 POSTER SESSION & Coffe Break

Collaboration  
opportunities

#### INVITED TALK

17h15 **Tatiana Rappoport**, Associate professor at the Physics Institute of the Federal University of Rio de Janeiro  
University of Rio de Janeiro

#### CONTRIBUTED TALK

17h45 - 18h00 *Contributed Talk 8*

## PROGRAMME | October 24<sup>th</sup>, 2019

8h30 - 9h00 Registration

### MORNING SESSION

#### INVITED TALK

9h15 **Samson Abramsky**, Christopher Strachey Professor of Computing and a Fellow of Wolfson College  
University of Oxford

Q. Materials

#### INVITED TALK

10h00 **Ugo dal Lago**, Associate Professor at the University of Bologna  
University of Bologna

Q. Computation

#### CONTRIBUTED TALKS

10h30 *Contributed Talk 9*  
*Contributed Talk 10*

11h00 Coffee break

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PROGRAMME | October 24<sup>th</sup>, 2019

## INVITED TALK

**11h30** Invited Speaker TBC

## CONTRIBUTED TALKS

**12h00** *Contributed Talk 11*  
*Contributed Talk 12*

**12h30** Lunch break \*

Networking Opportunity

## AFTERNOON PARALLEL SESSIONS

**15h00** **HANDS-ON QUANTUM COMPUTING**

**COMMUNICATION SYMPOSIUM**

### INVITED TALK

**15h00** **Francisco Villatoro**, Associate Professor in the Department of Computing Science and Language University of Málaga

### INVITED TALK

**15h45** **Enrique Sahagún**, Scixel.es