



The EMPIR Project 18SIB07 GIQS:  
Graphene Impedance Quantum Standard

**Establishing  
SI linked quantum traceability  
by exploiting  
the potential of graphene**

## The Virtual Stakeholder Workshop and Training

Wed 15 Dec 2021  
13:30 - 15:30 CET (12:30-14:30 UTC)

### 1. Graphene quantum Hall devices

Intro Klaus Pierz PTB, Coordinator

#### 1.1 The GIQS project

Luca Callegaro, INRIM

#### 1.2 Fabrication of graphene QHE devices

Mattias Kruskopf, PTB

#### 1.3 Electrical characterisation in DC

Dong-Hun Chae, KRISS

#### 1.4 Novel cryogenic environments

Hans He, RISE

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### 2. Impedance metrology

#### 2.1 Josephson digital bridges

Stephan Bauer / Ralf Behr, PTB

#### 2.2 Electronic digital bridges

Martina Marzano, INRIM

#### 2.3 AC measurements

Frédéric Overney, METAS

#### 2.4 A day in an impedance standard lab

Jan Kučera, CMI

### For info:

Send a mail to the organisers:

[l.callegaro@inrim.it](mailto:l.callegaro@inrim.it)

[klaus.pierz@ptb.de](mailto:klaus.pierz@ptb.de)

you will receive updates

and the connection link!

The project stakeholders include metrology organisations, research centers, calibration laboratories, industries which are interested in the project outcome and give input to maximise its impact on the T&M community.

Want to join? Contact us!

**To subscribe** (right-click to copy, paste to your browser)

<https://forms.gle/twqJYc9rudduAwFQ9>