



INTERNATIONAL WROUGHT COPPER COUNCIL

IWCC TECHNICAL SEMINAR

INNOVATION IN THE COPPER FABRICATION INDUSTRY

VIETNAM

1 TO 5 MARCH 2026

PAPERS LIST

Please note there are still several additional papers to be confirmed, and the papers list will be updated accordingly.

Some titles are also working titles, and the final titles will be available on the IWCC Events App before the seminar.

Opening

Overview Copper Industry in Vietnam & Globally

Vietnamese Industry Association / Government – this paper is to be confirmed

Session 1: Advanced Manufacturing Technologies

1) Equipment and Tools for New Lead-free Alloys

Speakers: Kilian Brans, Manufacturing Technology Institute of RWTH Aachen University

Session 2: Digital Transformation and Smart Factories

2) 5.0 Digital Transition in Manufacturing

Speaker: Antonio Conati Barbaro – Alleantia

3) Data Driven Production Optimization and Material Tracking for CONTIROD® wire rod plants

Speaker: SMS

4) Advances in Metal Forming Simulation

Speaker: Dr. Hendrik Busch, KME Mansfeld GmbH

Session 3: Material Science and Alloys

5) Powder Production and Additive Manufacturing of High-Strength Cu Alloys

Speaker: Prof. Ulrich Krupp from RWTH Aachen University

6) Development of the New Lead-free Alloy Eco SZ3

Speaker: Timo Allmendinger, Wieland

- 7) **New Lead-free Nickel-Silver Alloy**
Speaker: Kathrin Lefor, KME - Sundwiger Messingwerk
- 8) **MOFC-HR - Heat resistant High Conductive Alloys**
Speaker: Mitsubishi
- 9) **Novel Balanced-Performance Copper Alloys**
Speaker: Professor/Dr. Lei Qian from Central South University
- 10) **New Copper Alloys for Better Strength**
Speaker: Dr. Han - KIMS (Korea Institute of Materials Science)

Session 4: Product Design and Custom Fabrication, new products

- 11) **Copper Applications – Technical Requirements and Challenges**
Speaker: Isabel Buresch, TE Connectivity
- 12) **Investigation of Intermetallic Compounds in Photovoltaic Interconnector Ribbon Wire Production**
Speaker: Sarkuysan
- 13) **New Advanced Performance Copper-alloy Tube for Heat Exchanger Applications**
Speaker: Tzevelekou F., Tsamos K. – Halcor

Session 5: Sustainability and Green Innovation

- 14) **Advancing copper production through Recycling**
Speaker: SMS
- 15) **Circular Economy in OF Rod Manufacturing**
Speaker: Juan Carlos Bodington, Upcast Oy

08 January 2026