



INTERNATIONAL WROUGHT COPPER COUNCIL

**IWCC TECHNICAL SEMINAR
ISTANBUL**

1-5 MARCH 2015

**PROGRAMME
AND
DELEGATES ATTENDING**

IWCC TECHNICAL SEMINAR PROGRAMME

EXTRUSION

Sunday 1 March

City Tour

See page 14 for list of participants

1330 Depart Marriott hotel by coach for city tour of Istanbul, to include the Blue Mosque & St. Sofia

1630 Arrive Marriott hotel

IWCC Technical Committee

1700 to 1800 IWCC Technical Committee Meeting (Boardroom, ground floor)

Please note this meeting is for IWCC Technical Committee members only.

Welcome Reception

1800 to 2000 Welcome Reception for all delegates to be held in the Asia Room (ground floor)

Monday 2 March

IWCC Technical Seminar – Extrusion

Venue: Istanbul Grand Ballroom 2 & 3

0900 Opening Remarks, Gert Mueller, Chairman IWCC Technical Seminar

Topic 1 – Introduction & General Overviews

Paper 1. The Turkish copper industry, Sevgür Arslanpay, Sarkuysan A.Ş. (on behalf of the Istanbul Mineral and Metals Exporters' Association)

Topic 2 – Background to Extrusion and Issues surrounding Extrusion

Paper 2. Extrusion of copper and copper alloys: basics and principles, Eyup Sabri Kayali, Haliç University

Paper 3. Simulation of Extrusion Processes for Copper and Copper Alloys, Dirk Ringhand, University of Applied Science, Heilbronn

Refreshment Break

Topic 3 – Equipment & Tools

- Paper 4. Recent developments in extrusion press technology, Hansjörg Hoppe, SMS Group
- Paper 5. Engineering solutions for extrusion of hard alloys, Gaspar Fernández, GIA Clecim Press
- Paper 6. Extrusion presses, Franco Libera, Presezzi Extrusion

1240 to
1340

Buffet Lunch

Topic 3 – Equipment & Tools (continued)

- Paper 7. Gas fired billet heating, Stefano Rossetti, COIM Srl
- Paper 8. Innovative billet heating, Jan van Treek, Otto Junker GmbH
- Paper 9. Modern concept for induction heating of billets, Rolf Schuller, Russ-Elektroofen Produktions GmbH & Co. KG

Refreshment Break

- Paper 10. Modern container heating systems – the advantages of the "Smart Container", Christian Eckenbach, Marx GmbH & Co. KG
- Paper 11. Copper continuous extrusion technology, Fan Zhixin, DaLian Konform Technical Co., Ltd. & DaLian JiaoTong University
- Paper 12. ASCON – the future of continuous rotary extrusion, Carl Dawe, ASMAG GmbH

1715 **Technical Seminar Adjourns**

Industry Dinner

- 1930 Depart Marriott hotel by coach
- 2000 Dinner for all delegates at Kasibeyaz Bosphorus Restaurant to be hosted by Sarkuysan A.Ş. and Altek Dokum Ltd. Sti.
- 2200 Depart restaurant
- 2230 Arrive Marriott hotel

Tuesday 3 March

IWCC Technical Seminar – Extrusion

Venue: Istanbul Grand Ballroom 2 & 3

0900

Opening Comments, Gert Mueller, Chairman IWCC Technical Seminar

Topic 4 – Quality Assurance, Testing, Auxiliary Issues

- Paper 13. Eddy current testing, Rainer Sailer, Institut Dr. Foerster GmbH & Co. KG
- Paper 14. Non-destructive length measurement, André Cziczkat, NDC Technologies Inc.
- Paper 15. Improved process control of billet reheating by use of a thermal model, Hansjochen Oertel, Gesellschaft für industrielle Wärme, Energie- und Prozesstechnik m.b.H. (GIWEP GmbH)

Refreshment Break

Topic 5 – Fabricator Papers

- Paper 16. A case study on copper tube manufacturing, Mehmet Ali Akoy, Sarkuysan A.Ş.
- Paper 17. Extrusion of speciality alloys, Edy Martins, Baoshida Swissmetal Ltd.
- Paper 18. Customer benefits driven by technology and fully integrated value chain, Anton Zierhut, Buntmetall Amstetten GmbH

1230 to
1330

Buffet Lunch

Topic 5 – Fabricator Papers (continued)

- Paper 19. The infancy of Conform, Peter Walmsley, Aurubis Belgium nv/sa
- Paper 20. Comparison of the extrusion and Conform processes, Pierre Burry, Gindre Duchavany S.A.
- Paper 21. Process data acquisition and monitoring, Peter Böhlke, KME Germany GmbH & Co. KG
- Paper 22. Optical surface inspection instrument for extruded copper tubes, Takanori Takeuchi, UACJ Copper Tube Corporation

Closing Remarks, Gert Mueller, Chairman IWCC Technical Seminar

1545

Technical Seminar Closes (refreshments available)

PLANT VISIT PROGRAMME

Wednesday 4 March

Sarkuysan Elektrolitik Bakir Sanayi ve Ticaret A.Ş. and Bemka Emaye Bobin Teli ve Kablo Sanayi Ticaret A.Ş.

See page 14 for list of participants.

0830

Depart Marriott hotel by coach

Arrive Sarkuysan for introduction to the company followed by plant tour and lunch hosted by Sarkuysan

Depart Sarkuysan

Arrive Bemka for introduction to the company followed by plant tour with refreshments on conclusion

Depart Bemka

1630

Arrive Marriott hotel

Evening

No formal arrangements

Thursday 5 March

Mercedes-Benz Türk A.Ş. and Sarbak Metal Ticaret ve Sanayi A.Ş.

See page 15 for list of participants

0745

Depart Marriott hotel by coach

Arrive Mercedes for plant tour

Depart Mercedes

Arrive Pariltim Restaurant, Cerkezkoy for lunch hosted by Sarbak

Transfer to Sarbak for plant tour

1600

Depart Sarbak

On the return to Istanbul coaches will first call at Istanbul Atatürk Airport (IST) for delegates leaving late afternoon/evening, before proceeding to the Marriott hotel for those delegates remaining in Istanbul.

1730

Arrive Istanbul Atatürk Airport (IST)

1830

Arrive Hotel

Evening

No formal arrangements

Departure of delegates