



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG

Die Ressourcenuniversität. Seit 1765.



# Society Of Mining Professors

## 26<sup>th</sup> Annual General Meeting

### Freiberg, Germany

### 21-26 June 2015

**Meeting & Conference Programs**

#### Organization & Contact Information:

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# Message from the Chairmen

Dear members of the Society of Mining Professors,

With great pleasure we are presenting you the conference program of the 26th Annual General Meeting of the Society of Mining Professors 2015 in Freiberg, as well as the accompanying people program. We are happy to announce that 27 presentations will be given and 10 posters will be illustrated. The focus of this meeting will be on mining engineering education & future mining, while key-note speakers will present the status of the German mining industry in a globalized environment.

Besides the technical and official sessions, the participants of this year's annual meeting and their partners will also be experiencing the cultural heritage and rich mining history of this part of Germany, the *Erzgebirgsregion* (literally translating into "ore mountains region"), and also may attend the scientific conference "*Freiberger Forschungsforum*" and many cultural events in the town of Freiberg.

In order to foster the parallelization of the event program we would kindly request that you fill in and send back the registration form if you have not done it already.

Therefore, we would like to warmly welcome you to the 26<sup>th</sup> SOMP Annual Meeting and Conference in Freiberg.

With kind regards and a cordial "Glück Auf"



**Professor Dr. Helmut Mischo**  
President of SOMP



**Professor Dr. Carsten Drebenstedt**  
Meeting Coordinator

# SOMP 2015 Meeting & Conference Program

## Saturday, 20<sup>th</sup> June

**18.00:** Night of Science in Freiberg

## Sunday, 21<sup>st</sup> June

**17.00-22.00:** Early Registration, Meet & Greet at "Terra Mineralia" Freudenstein Castle

## Monday, 22<sup>nd</sup> June

**08.00-12.00:** Registration at Meeting Venue "Städtischer Festsaal"

**09.00-10.00:** Council Meeting

**10.30-12.00:** Committee Meetings

-----Welcome Session-----

**12.00-12.15:** Welcome speech, Helmut Mischo, TU Bergakademie Freiberg,  
President of SOMP 2014/2015

**12.15-12.30:** Official Opening, Carsten Drebenstedt, Dean of the Faculty of Geosciences  
TU Bergakademie Freiberg, Meeting Organizer

**12.30-12.45:** Welcoming Speech, Bernd Meyer, Rector of the TU Bergakademie Freiberg

**12.45-13.05:** Bernhard Cramer, Head of Federal Mining Authority, Licensing of Mining  
Projects in Germany

**13.05-13.40:** Light Lunch

-----Industrial Session-----

**13.40-14.00:** Status of the Mining Industry in Germany, Joachim Geisler

**13.05-13.40:** Pit and Quarry Industry in Germany

**13.05-13.40:** German Mining Globalization, Martin Junker

**13.05-13.40:** German Projects Abroad - The Legacy Project, Frank Hunstock

**19.00:** SOMP gala dinner at the traditional Freiberg Brewery "BrauhoF"

# SOMP 2015 Meeting & Conference Program

## Tuesday, 23<sup>rd</sup> June

### -----General Business Session / Annual Meeting-----

**08.30-10.15:** Status of the Society, Bruce Hebblewhite, Secretary of SOMP  
Looking into the Future, SOMP Strategic Planning Committee

**10.15-10.45:** **Coffee Break**

**10.45-12.00:** Meeting of SOMP Working Groups /Breakaway Sessions

### -----Breakaway Session 1: Future Mine Projects-----

Motivation Presentation: In Search of a Future for Mining, *O.J Restrepo*

### -----Breakaway Session 2: Internationalization / Globalization of Mining Education----

Motivation Presentation: Afghanistan Project, C. Drebenstedt

Motivation Presentation: New Development of Mining Education in Asia, *W. Koichiro*

**12.00-13.00:** **Lunch Break**

### -----Session 1a: New Developments and Challenges in Mining Education-----

*Chair: Prof. Dr. C. Drebenstedt*

**13.00-13.30:** Safety and Health Leadership and Human Factors, *K. de Jager*

**13.30-14.00:** Experimental Mines: A valuable facility for practical training and research in mining engineering education, *D.J. Carvajal Gomez*

**14.00-14.30:** Role of Minerals Education Institutions in Improving Small Scale Miners – a Namibian Case Study, *H. Musiyarira*

**14.30-15.00:** Measuring the Effectivity of Combined Teaching and Learning Approaches on the Motivation and Acquisition on Competences, *E. Clausen*

**15.00-15.30:** **Coffee Break**

### -----Session 1b: New Developments and Challenges in Mining Education-----

*Chair: Prof. Dr. H. Mischo*

**15.30-16.00:** Analysis of Research Scholarship for Faculty at US ABET Accredited Mining Engineering Schools by Citations and H-Index, *V. Kecojevic*

**16.00-16.30:** Biohydrometallurgical Center for Strategic Elements, *R. Schlüter*

**16.30-17.00:** Globalization, Chances or Challenges for Mineral Education: The Case of Polytechnic of Namibia, *G. Dzinomwa*

**17.00-17.30:** Work Integrated Learning for Mine Surveyors, a seven year journey, *H. Grobler*

**18.00:** **Departure for Dresden**

**19.30:** **Social Dinner on Elbe River Cruises**

# SOMP 2015 Meeting & Conference Program

## Wednesday, 24<sup>th</sup> June

-----Session 2: New Strategies, Evaluations and Re-assessments on Deposits-----

*Chair: Prof. Dr. O. Langefeld*

**08.00-08.30:** Technical Evaluation of Mars Water Extraction Mission, *S. Saydam*

**08.30-09.00:** Sustainability Oriented Assessment of Rare Earth Values: A User Cost Approach, *Z. Li*

**09.00-09.30:** Redefining a Deposits Reserves by Advanced Mineral Processing Approaches, *H. Lieberwirth*

**09.30-10.00:** Setting the REE Industry-Specific Criteria and their Significant Role in the Viability of Rare Earth Underground Mining Projects, *G. Barakos*

**10.00-10.30:** **Coffee Break**

----- Session 3: New Technologies in Mining Engineering-----

*Chair: Prof. Dr. H. Lieberwirth*

**10.30-11.00:** An Overview and Assessment of Fracture Network Modelling and Simulation for Hot Dry Rock Geothermal Reservoir Applications, *P. Dowd*

**11.00-11.30:** Performance of Through-the-Earth Magnetic Communications System in the United States Metal/Non-Metal Mines, *E. C. Jong*

**11.30-12.00:** Bucket Design for Deep-sea Excavation of Cohesive Sediments, *T. Shepel*

**12.00-13.00:** **Lunch Break**

----- Session 4: Geotechnical Engineering and Mine Safety Optimization-----

*Chair: Prof. Dr. P. Martens*

**13.00-13.30:** Development of a Geotechnical Data Management System for Mining Operations, *Z. Agioutantis*

**13.30-14.00:** Research Progress: Effect of Mining Rate on Seismic Activity, *J.W.L Hanekom*

**14.00-14.30:** Optimization of Design and Operation of Mine Ventilation Systems, *G. Danko*

**14.30-15.00:** Dust Suppression on Open Pit Haul Roads - A Case Study, *J.J.L. du Plessis*

-----Closing Session - Handover of Flag-----

**16.00:** **Departure for Reiche Zeche Mine**  
**BBQ over the roofs of Freiberg at Reiche Zeche Mine**

# SOMP 2015 Meeting & Conference Program

## Thursday, 25<sup>th</sup> June

- 06.00: Start at Accommodation
- 09.00-14.00: Excursion Trip to Underground Salt Mines
- 17.00: Return to Accommodation

## Friday, 26<sup>th</sup> June

- 06.00: Start at Accommodation
- 09.00-14.00: Excursion Trip to Opencast Lignite Mine
- 17.00: Return to Accommodation

## Thursday, 25<sup>th</sup> June – Sunday 28<sup>th</sup> June

City Festival with Traditional Miners Parade on Sunday

# SOMP 2015 Accompanying People Program

## Sunday, 21<sup>st</sup> June

- 17.00-22.00: Early Registration, Meet & Greet at "Terra Mineralia" Freudenstein Castle

## Monday, 22<sup>nd</sup> June

- 08.00-12.00: Registration at Meeting Venue "Städtischer Festsaal"
- 14.00-16.30: Guided City Tour (Freiberg)
- 19.00: SOMP gala dinner at the traditional Freiberg Brewery "BrauhoF"

## Tuesday, 23<sup>rd</sup> June

- 09.00-16.00: Visit to Porcelain Manufactory in Meissen and Guided City Tour
- 18.00: Departure for Dresden
- 19.30: Social Dinner on Elbe River Cruises

## Wednesday, 24<sup>th</sup> June

- 09.00-16.00: Visit to the Green Vault and Historical City Center in Dresden
- 16.00: Departure for Reiche Zeche Mine  
BBQ over the roofs of Freiberg at Reiche Zeche Mine





# SOMP 2015 | Registration

Society of Mining Professors | Societät der Bergbaukunde



Personal Data	Title (Mr. / Ms)	
	Academic Title (Prof./Dr.)	
	Family Name	
	Given Name	
Affiliation	Institution	
	Department	
Address for Invoice	Street, no.	
	City, Province	
	ZIP, Country	
Contact	Email	
	Phone	
	Fax	
Visa	I need a letter of invitation (yes / no)	
Registration	<input type="radio"/> Normal Fee / SOMP-Member: 600 € <input type="radio"/> Young SOMP-Member: 300 €	
Conference Days	<input type="radio"/> Retired/Emeritus SOMP-Member: 300 € <input type="radio"/> PHD-Students (Sessions only): 100 €	
21-24 June 2015	<input type="radio"/> Spouse/Accompanying Person: 200 €	
Optional Excursions	<input type="radio"/> 25 June 2015: Excursion to Underground Salt/Potash Mine: 45 € <input type="radio"/> 26 June 2015: Excursion to Open Pit Lignite Mine: 45 €	
Payment	Total Amount:	
	<input type="radio"/> I will pay by bank transfer before 1 June 2015	<input type="radio"/> Please get the total amount from my credit card (only Master Card / Visa Card):
	Payee: Hauptkasse Sachsen BIC: OSDDDE31 IBAN: DE09 8505 0300 3155 8250 05 Issue1: 7040/00227-6 031002068/69 Issue2: SOMP2015, YOUR NAME Address of the bank: Ostsaechsische Sparkasse, Guentzplatz 5, D-01307 Dresden / Germany	Type of Card (Master / Visa): Name of Owner: Number: Valid until (month, year):  Signature:
Cancellation Fee	50% of total amount after 1 May 2015 100% of total amount after 1 June 2015	
I agree that my data will be stored electronically and used in context with the administration and management operations of SOMP2015. I will pay the conference fee / cancellation fee, even if I will not participate.		
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		
Date	Signature	

Please fill in this registration form at your computer. Print it and sign it. Please send it via email to [somp2015@mabb.tu-freiberg.de](mailto:somp2015@mabb.tu-freiberg.de) or via fax to the following number: +49 (0) 3731 39 3581

*Ein Herzliches*

**Glück Auf**



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