



## Newsletter

#2, September 2010

We are proudly presenting the second edition of the ISSA Mining Newsletter. Thank you for the encouraging feedback on the previous issue! We hope you will find the latest information helpful and appreciate your feedback and input for the next issue!



Theodor Bülhoff  
President



John McEndoo  
Vice-President



Helmut Ehnes  
Secretary-general



Kasım Özer, General Director Occupational Safety and Health of the Ministry of Labour and Social Security, Turkey (left) and Theodor Bülhoff, President ISSA Mining

### Feature

#### ISSA Mining to Participate in WMC 2011, Turkey

ISSA Mining's president Theodor Bülhoff and Secretary-general Helmut Ehnes tied important contacts with representatives of Turkey's coal mining industry and government during a fully packed visit to Turkey in July. Discussions with important stakeholders in Turkey's capital Ankara and in Zonguldak in the Black Sea region, an important port because of coal mining, led the way into a promising future cooperation for the benefit of Turkish miners and the industry as well.



Agreed on cooperation in the WMC 2011:

Necmi Ergin Member of the Board/Chamber of Mining Engineers,  
Nevzat Bağlı DGUV/ISSA Mining Consultant, Nahit Ari, Secretary General  
Chamber of Mining Engineers, Helmut Ehnes, ISSA Mining, Mehmet Torun Director/  
Chamber of Mining Engineers, Theodor Bülhoff, ISSA Mining,  
Ibrahim Yılmazoğlu, Cemalettin Sağtekin, Can Doğan  
(all Member of the Board/Chamber of Mining Engineers)

(continued)

The ISSA Mining managers established first contacts for a sustainable cooperation with mining stakeholders, including knowledge transfer and joint workshops. Another purpose has been initial discussions on participation in the World Mining Congress (WMC) 2011, an important event for the industry, and running in parallel to the XIX World Congress on Safety and Health, both to take place in Istanbul.

More info: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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### Trapped Miners in Chile: ISSA Mining Contributes Expertise

On August 5, 2010, the roof of the San José copper-gold mine north of Copiapó, Chile collapsed, leaving 33 miners trapped underground at approximately 700 metres (2,300 ft.). Rescue efforts started on August 6. A second collapse occurred on August 7 when rescuers were trying to gain access via a ventilation shaft.

The Chile Chamber of Commerce contacted BG RCI's mine Rescue Team (Germany), a member of ISSA Mining, seeking advice one week after the incident. BG RCI/ISSA Mining helped with information, established contacts to members of the IMRB network on the American continent as well as to a German supplier of high precision directional drilling equipment, and shared expertise basing on various mine rescue efforts such as in Lengede and Stolzenbach (Germany) as well as Lassing (Austria). BG RCI's mine Rescue Team also offered to supply the "Dahlbusch rescue capsule", a device firstly utilized in the Lengede incident, where eleven trapped men have been rescued from a depth of 58 meters in such a device.



Rescue efforts in Chile  
(Photo retrieved from Wikipedia Commons, Author desierto\_atacama  
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Attribution-Share Alike 2.0 Generic license)



ISSA Mining took part in WSF 2010, China

## China: Mining Safety at the 5th China International Forum on Work Safety; Cooperation Between ISSA Mining and SAWS, China, agreed upon

ISSA Mining's Technical Session on Mine Safety, Hazard Identification, Risk Assessment, and OSH Strategies at the 5th China International Forum on Work Safety in Beijing, August 31 - September 2, united input from India, Germany, and China.

The talks such as on

- Global Strategies and Strategic Partnerships for Better Safety in Mining
- Success Factors for Safe Mining in the German Coal Industries
- Newest Development in Respiratory Protective Devices+PPE for Mine Rescue Teams
- Innovative Personal Protective Equipment for High Risk Sectors
- Risk analysis of Injuries of Coal Miners Using an Epidemiologic Approach: A Case-Control Study

found great interest among the expert visitors and proved to be a valuable platform on dialogue and information exchange. The session received excellent feedback by the international delegates, out of which several expressed great interest in ISSA Mining's work as well.

The forum has been attended by some 500 participants.



From left: Mining Safety Manager Dieter Mantwill, ISSA Mining's Secretary-general Helmut Ehnes, Hans-Horst Konkolewsky, Secretary-general ISSA, at the WSF 2010, China

## Cooperation with SAWS, China

Together with ISSA's Secretary-general Hans-Horst Konkolewsky, ISSA Mining met with Executive Director General Bai Ran, and Director Wang Qinghua, representatives of the State Administration of Work Safety (SAWS), agreeing on a sustainable cooperation in the non-coal mining sector over the next years.

Subsequently, ISSA Mining discussed matters of mine safety and rescue at the China operation of Dräger, one of the biggest suppliers for mining safety equipment. Dräger operates a local plant with 120 employees, producing quality sensors and respiratory protective devices, currently being extended.

More detailed coverage to be published on ISSA Mining's website [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



### 6th Atlantic Alliance Conference: “Global Initiatives on Safety and Health”

The 2010 Atlantic Alliance Conference will be a very valuable platform for safety experts in the mining industry. The conference is organized by UEPG, Brussels, supported by ISSA Mining and open for participation.

Date: 20-21 October 2010

Venue: Offices of the Representation of North-Rhine Westfalia, Rue Montoyer, Brussels, Belgium

Session 1: International Convergence

Session 2: Safe Machinery

Session 3: Key ‘SHE’ Perspectives



### ISSA Mining to take important part in 22nd World Mining Congress & Expo

After discussions between ISSA Mining and the Organization Committee of the World Mining Congress 2011, the topic “Occupational Safety and Health in Mining” has been added into the agenda of this major event for the mining industry, taking place 11. - 16. September, 2011 in Istanbul, Turkey.

ISSA Mining will contribute presentations on

- The benefit from International Cooperation in the field of Safety in Mining,
- Seven Golden Rules to improve Safety and Health
- Systematic Safety – The use of Safety Management Systems for Mining Companies,
- Transfer of the Seoul Declaration for Safety and Health in Mining industry,
- The Accident-Free Mine: Illusion or Reality?
- and a Keynote presentation “Safety in Mining – A Global Analysis and Consequences”

An ISSA Mining information booth within the frame of the exhibition will offer the latest media on safety and health protection in mining, supplemented by interesting interactive safety exhibits.

#### Contributions sought

The WMC 2011 with its guiding theme “Innovations and Challenges in Mining” as one of the most important events for the mining industry of the following year is open for sponsors, participants, and exhibitors for the Congress and Expo.

Comprehensive information and contacts can be retrieved via the official congress website <http://wmc-expo2011.com>



#### Seminar on Occupational Health and Safety (OHS) in the Mining Industry – Eskisehir, Turkey, 21 - 22 October 2010

ISSA Mining will contribute to a workshop organised by the Technical Assistance Information Exchange Instrument of the European Commission (TAIEX) in co-operation with the Turkish Ministry of Labour and Social Security General Directorate of Occupational Health and Safety.

The aim of the project is to provide relevant information about the occupational health and safety conditions in the mining industry in order to contribute to the improvement of working conditions in this sector. The mining industry in Turkey has a high number of occupational accidents: between 1955 and 2009, more than 2000 employees lost their lives and more than 300,000 employees were injured.

ISSA Mining Experts Christian van den Berg and Wolfgang Roehl will discuss health surveillance of employees, the proper design and maintenance of coalmines, and a new solution for using a long-term respiratory protective device in vehicles.

TAIEX online: <http://ec.europa.eu/enlargement/taiox/>

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Ontario Mine Rescue Competition

## Porcupine Gold Mine rescue team, Canada, wins competition

Fire fighting skills, expertise in rope rescue, and ability with lifting bags had to be proven by the competing mine rescue teams in the Hollinger Gold Mine during the 60th annual Ontario Mine Rescue Competition in Timmins in June. But that has not been everything: When an “unexpected” mine emergency occurred, teams had to shift from demonstration mode to rescue mode. Goldcorp Canada’s Porcupine Gold Mine rescue team achieved the best results and won the competition, next to the 2010 Fire fighting Team Award.



Information and photos courtesy of Link Line Newsletter, published by Ontario Mine Rescue, a part of Workplace Safety North (WSN) [www.masha.on.ca/mine\\_rescue](http://www.masha.on.ca/mine_rescue) | [www.workplacesafetynorth.ca](http://www.workplacesafetynorth.ca)



## Vast potentials and risk evaluation: ISSA symposium “Nanotechnology” 4. and 5. October 2010, KKL, Lucerne, Switzerland

The increasing significance of nanotechnology is presenting new challenges for occupational health and safety.

This symposium, which is organised by the Chemistry Section of the ISSA, highlights the opportunities nanotechnology offers for industry and medicine as well as the risks it poses. It provides information on future legal regulations on a national and international level.

For example, the current developments and/or goals of nanotechnology include:

- The further miniaturisation of semiconductor electronics and optoelectronics and the development of innovative materials in industrial production processes, e.g. nano tubes.
- The development of new diagnostics and treatments in medicine (e.g. contrast agents for imaging techniques in computer tomography or magnetic resonance tomography as

well as new drugs containing nanoparticles to transport or store active ingredients, e.g. for the treatment of tumours).

- Improvement of self-cleaning processes for surfaces. Numerous applications are also used to solve everyday problems, e.g. the lotus effect.
- Nanotechnology is currently being used as corrosion protection for car bodywork. In this case, a nanoscale binding agent is used as an alternative to chromate layers during the spraying process.
- Protection against UV radiation in modern sun creams is provided by nanoscale titanium dioxide.

More information and registration at [www.issa.int/prevention-chemistry](http://www.issa.int/prevention-chemistry)

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Noetel (left), Ehnes

### ISSA Mining Initiates Promising Dialogue with Russian Experts on Mining and Safety

Helmut Ehnes, Secretary-general of ISSA Mining, together with Karl-Heinz Noetel, Head of the German Expert Committee on Personal Protective Equipment, went to Yekaterinburg, Russia, for a study visit and to establish contacts with Russian experts for mining, mine rescue, and research. The most informative visit from May 31 to June 2 2010 has led to a valuable exchange of information and allowed to tie some very good contacts.



Alexander Pelagejin, head of the Ural Mine Rescue Service (second right) and one of his team members in full operation gear.

Mr Pelagejin has built the rescue operation up from scratch with plenty of determination and success. Thanks to Alexander Pelagejin's initiative, today there is a team of approx. 30 mine rescuers ready to operate 24/7 in case of emergencies.

“We have been very impressed by the commitment and expertise of our Russian colleagues and have been delighted to meet such great people. We feel that this meeting has been the basis for a sustainable and promising future cooperation, for the benefit of miners in Europe and Asia as well”, stated Ehnes on his return to Germany.

Full report at [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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**International Symposium**  
**Prevention in the EU 27: SMEs in Focus**  
**29.09. - 01.10.2010, Kosice, Slovakia**

Jointly organised by three international prevention Sections of the ISSA in conjunction with the National Labour Inspectorate of Slovakia and the Technical University of Kosice, the symposium spans topics such as

- Prevention in the EU-27. Focus: SMEs
- Prevention pays! Increasing the productivity of enterprises and employees
- Implementation of Framework Directive 89 / 391 / EEC
- Good Practice Examples
- Prevention strategies in big and in small enterprises
- Certification of management systems – Its importance for big as well as for small enterprises
- Particularly vulnerable workers

Contact: AUVA / ISSA Section Metal  
Adalbert-Stifter-Strasse 65 | 1200 Vienna| Austria | issa-metal@auva.at

Find more information at [www.issa.int/prevention-metal](http://www.issa.int/prevention-metal)



**Japan: ISSA Mining in Dialogue with Major Mining Supplier and Prevention Experts**

While in Japan, ISSA Mining's Secretary-general Helmut Ehnes seized the opportunity to get in touch with Komatsu, a major supplier for the international mining industry, at the Ibaraki plant.

Safety and ergonomics for miners operating heavy machines were on top of the agenda, and Komatsu also presented the impressive safety record and methods in their facility as well.

Very interesting talks with the Japan Industrial Safety & Health Association (JISHA) also gave important insights into successful prevention initiatives and strategies.

More detailed coverage to be published on ISSA Mining's website [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)





## **ISSA Section Metal:**

### **Guides for risk assessment in small and medium-sized enterprises**

The ISSA Section Metal offers a valuable portfolio to assist SMEs in risk assessment. The series has currently been extended.

The following titles are now available:

1. Noise (English, German, Spanish, Croatian, Korean)
2. Hazards arising from Machinery and other Work Equipment (English, German, Spanish, Croatian, Korean)
3. Chemical Hazards (English, German, Spanish, Czech, Slovakian)
4. Slipping and Falling from the Height (English, German, Spanish, Bulgarian, Croatian, Korean)
5. Mental Workload (English, German, Spanish, Bulgarian, Czech, Korean, Polish, Slovakian)
6. Manual Handling of Loads (English, German, Spanish)
7. Hazards arising from Explosion (English, German, Spanish)
8. Hazards arising from whole-body and hand-arm vibrations (English, German, Spanish)
9. Hazards arising from Electricity - finalized
10. Risk assessment – general guide- finalized

Ordering: AUVA / ISSA Section Metal  
Adalbert-Stifter-Strasse 65 | 1200 Vienna| Austria |  
issa-metal@auva.at

[More information at www.issa.int/prevention-metal](http://www.issa.int/prevention-metal)

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## **New members**

ISSA Mining gladly welcomes its new members

- Mr Vu Van Thinh, Director of HMT Consulting and Training Company Ltd., Ha Noi, Vietnam
  - Ms Marie Larue, Institut de recherche en santé et en sécurité du travail du Québec (IRSST), Montréal, [www.irsst.qc.ca](http://www.irsst.qc.ca)
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## More events for the Mining Industry

- **Marmomacc 2010 – International Exhibition of Stone Design and Technology**  
29.09.2010 - 02.10.2010 | Verona, Italy
- **National Safety Council 2010 Congress & Expo**  
03. - 08.10.2010 | San Diego, California, USA
- **SAIE, International Building Exhibition**  
27. - 30.10.2010 | Bologna, Italy | [www.saie.bolognafiere.it/en/](http://www.saie.bolognafiere.it/en/)
- **7th International Mines Rescue Competition**  
11. - 12.11.2010 | Wollongong New South Wales, Australia |
- **European Minerals Forum**  
02.12.2010 <http://www.uepg.eu>
- **16. Arab International Cement Conference and Exhibition**  
06.12.2010 - 08.12.2010 | Ras-Al-Kaimah, UAE  
[www.aucbm.org](http://www.aucbm.org)
- **Symposium "Noise and vibration at work"**  
02.03.2011 - 04.03.2011 | Paris, France
- **Samoter 2011**  
02.03.2011 - 06.03.2011 | Verona, Italy
- **CONEXPO-CON/AGG 2011**  
22.03.2011 - 26.03.2011 | Las Vegas, USA
- **Intermat 2011**  
01.04.2011 - 30.04.2011 | Paris, France
- **European Minerals Day 2011**  
01.05.2011 - 31.05.2011 | Locations Throughout Europe
- **Steinexpo 2011**  
31.08.2011 - 03.09.2011 | Niederofleiden, Germany

Updated list on [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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### Up-to-date, versatile and always available : ISSA Mining on the Web

What is the impact of nanotechnology healthwise? How can I reduce the risks arising from heavy equipment? How do we face the challenges of competently and safely Integrating miners? And where does standardization of respiratory protective devices go? ISSA Mining's website spans these and many other topics, brought to you by ISSA Mining experts and by courtesy of specialists of related associations and institutes.

ISSA Mining's website is continuously updated and tells about latest events in both OSH and the mining industry.

Just one click away: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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## Not a member of ISSA Mining yet?

Join ISSA Mining and...

- ... Give input to global decisions in OSH politics for mining
- ... Show your commitment to occupational safety & health
- ... Prove Corporate Social Responsibility (CSR)
- ... Play an active role in setting standards and recommendations
- ... Get in contact with the leading non-profit organisations for OSH
- ... Be part of an independent international network
- ... Get in touch with key players, suppliers and experts
- ... Get involved in international events, congresses and workshops
- ... Get advice on the Section's topics
- ... Directly link with the International Labour Organization (ILO)

Your link to membership: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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## ISSA Mining Newsletter

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Privacy statement: ISSA Mining will not share your e-mail address with anybody.

Stay updated: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

## ISSA Mining Assembly in December 2010

ISSA Mining's Member Assembly will take place on December 1, 2010 in Cape Town, South Africa, simultaneously to the World Social Security Forum 2010. Invitations have been sent out to all members of ISSA Mining.

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