



**issa**

INTERNATIONAL SOCIAL SECURITY ASSOCIATION

*Section on Prevention in the Mining Industry*

**NEWSLETTER | # 4 | April 2012**



**IMSA Project gains momentum**

*PAGE 4*

**Premiere at the World Mining Congress**

*PAGE 5*

**7 Golden Rules online**

*PAGE 12*

Photo "Beginners" courtesy of EU-OSHA/Miran Beškovič. See page 15 for story.

**issa**

INTERNATIONAL SOCIAL SECURITY ASSOCIATION

*Section on Prevention in the Mining Industry***Theodor Bülhoff**  
President**John McEndoo**  
Vice-President**Bui Hong Linh**  
Vice-President**Helmut Ehnes**  
Secretary General

We are proudly presenting the fourth edition of the ISSA Mining Newsletter. Thank you for your highly encouraging feedback on the previous issues!

We hope you will find the latest information helpful and, as always, appreciate your feedback and input for the next issue!

## Feature

# ISSA Mining and MoLISA Vietnam to continue successful cooperation on OSH

Prior to the launch of Vietnam's National Safety Week, 120 international leaders and OSH experts met at the conference "Promoting Decent Work: Occupational Safety and Health, Prevention and Labour Inspection – Challenges and Solutions" in Đồng Nai, Vietnam, 15-18 March, 2012. Jointly organized by ISSA Mining, the Ministry of Labour, Invalids and Social Affairs, the International Labour Organization, the International Association of Labour Inspection, and ASEAN-OSHNET, the conference served



as an excellent platform for information exchange on OSH and labour inspection strategies.

To continue the successful cooperation, Vice Minister Bui Hong Linh on behalf of MoLISA and ISSA Mining President Theodor Bülhoff signed a cooperation agreement for the period 2012 to 2015, preceding a Memorandum of Understanding which had been serving as a foundation for sustainable exchange for three years.

@ More information in the next issue and online: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



## Feature

# IMSA Project gains Momentum – Joint efforts to bring improved productivity and safety to Turkish mines

Significantly reducing accident frequency and severity, and improving economic performance: these are the aims of the joint Independent Mine Safety Audits (IMSA) conducted by ISSA Mining and Turkish coal producer Türkiye Taşkömürü Kurumu (TTK).

After initial meetings with TTK's management as well as representatives of Turkish ministries, authorities and the miner's union, ISSA Mining's experts examined the technical situation together with specialists for mine safety of the German industry in 2010 and 2011. As a result, checklists and auditlists have been designed and used to document the results of visits to TTK's mines in Kozlu, Üzülmöz, Karadon, Amasra, Armutçuk, and Üzülmöz as well as to the Center for Mine Rescue. Interviews with the local mine supervisors completed the picture.

### Practical Results

In a meeting with TTK's management board, the international team introduced its findings along with hands-on recommendations for optimizing safety, health production and productivity.

The analysis covered the aspects

- OSH policy and targets
- leading an organizing
- planning
- authorized personnel and experts
- qualification and training
- information and communication
- checks and audits
- risk assessment
- business disruptions and emergencies
- contractors and service providers
- site inspection concepts

TTK initiated the implementation on the operational level.

### Support by Turkey's Government

Next to TTK's management, the audit report has also been presented to Faruk Çelik, Minister of Labour and Social Security, Turkey on 11 September 2011 on the occasion of the XIX World Congress on Safety and Health at Work in Istanbul, and to Taner Yıldız, Energy and Natural Resources Minister of Turkey who fully support the joint project. On Mr Yıldız initiative TTK also joined ISSA Mining.

Currently a Memorandum of Understanding is designed and project drafts have been laid out to improve the applied technology and the level of organization in aspects of machine safety, ventilation/explosion protection, explosives as well as training and qualification.



ISSA Mining-President Theodor Bülhoff (left) and Secretary General Helmut Ehnes (middle) hand over the the audit report to Burhan Inan, Director General TTK, and Mustafa Simsek, Deputy Director General TTK (second from right). Right: Project member Nevzat Bağlı.

Interested in joint projects?

## Contact us!

ISSA Mining offers knowledge exchange, consultation and expertise in systematic optimization of mine safety world wide including audits by international teams. Countries and regions interested in improving the level of mine safety can contact ISSA Mining for joint projects.



Taner Yıldız, Energy and Natural Resources Minister of Turkey (middle) agreed upon a sustainable cooperation with ISSA Mining and initiated TTK's membership.



Taner Yıldız, Energy and Natural Resources Minister of Turkey (middle) agreed upon a sustainable cooperation with ISSA Mining and initiated TTK's membership.

## ISSA Mining in dialogue Focus on mine safety: ISSA Mining premieres at the World Mining Congress & Expo in Istanbul

For the first time ever in the long history of the World Mining Congress, ISSA Mining joined and brought the aspect of safety and health in mining to this important event for the industry, thus being able to reach the more than 1,500 participants with an information booth, a keynote at the congress opening and a session. ISSA Mining's delegates initiated a dialogue

on international cooperation to systematically improve mining safety.

The major event for the mining industry took place 11. - 16. September, 2011 in Istanbul, Turkey. The 22nd World Mining Congress with its guiding theme "Innovations and Challenges in Mining" proved again to be one of the most important events for

the mining industry.

Helmut Ehnes, General Secretary of ISSA Mining, has been part of the congress opening with his keynote address "Vision 2020: Safe Mining Worldwide!", stressing the importance of mining while pointing out the need for safe workplaces - to protect lives and to improve economic performance. Ehnes called for international cooperation of all stakeholders.

The next day, ISSA Mining ran its session chaired by ISSA Mining's Vice President John McEndoo. Ehnes introduced the "Seven Golden Rules" to an interested audience – a framework that according to leading OSH experts is the prerequisite for successful occupational safety and health and should be applied world-wide. The special responsibility and commitment of the management, targeted risk assessment, a systematic approach and the qualification, training and motivation of everyone involved in mining operations are the keys to this programme.

Is mining without any accidents an illusion or a realistic aim? This question has been discussed by Dieter Mantwill, manager safety at German coal producer RAG. Impressively he described the road of his company's safety efforts, leading to a reduction of accidents of no less than 93% during the last 15 years – currently 4.3 accidents per one million hours worked.



Mining engineer and safety expert Dieter Mantwill of RAG Germany gave insight into impressive safety records and explained how improvements have been achieved.

Hans-Georg Beyer and Ramazan Karaaslan gave insight into the joint project focussing on lowering the high accident risk in Turkish coal mining on the basis of jointly performed safety audits. ISSA Mining aims to share the know-how gained in this project with other interested countries. The benefit of systematic procedures and safety management systems were described by Dr Andreas Grimmeiß who showed the significant differences between businesses with a certified system and those who have not implied such a system yet. Further presentations discussed

safety culture (Gye Wan Bae, Occupational Safety and Health Agency (KOSHA), South Korea), Biological Monitoring of Aromatic Amines, Benzene and Benzo[a]pyrene in Workers of a Modern European Coke Oven Plant (Dr. Tobias Weiss, Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of the Ruhr-University Bochum (IPA), Germany), and the application of personal protective equipment in extreme climatic conditions (Prof. h. c. Karl-Heinz Noetel, Expert Commission PPE of the German Social Accident Insurance, Germany). Typically for congresses of this nature, the opportunities from meetings and discussions on the side were significant as well. In a discussion with Turkish Minister of Energy and Natural Resources Taner Yıldız a sustainable cooperation with ISSA Mining has been agreed upon. Yıldız also initiated TTK's membership in ISSA Mining.



Vice President John McEndoo chaired ISSA Mining's session at the Word Mining Congress.

## Information & media on safe mining

ISSA Mining's Holger Imhoff and Gerold Soestmeyer have been ready to share first hand information on safe and economic mining. Next to offering the latest media on safety and health protection in mining, ISSA Mining showcased an example of best practice miner's equipment courtesy of RAG Germany.

@ Presentations are available for download at:  
[www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



Holger Imhoff (left) and Gerold Soestmeyer have been the focal point of information on safe mining and tied contacts to international mining experts.

## ISSA Mining in dialogue Symposium “Vision 2020 – a one world approach for a global preventive network in mining”

In September 2011, Istanbul was the focal point for all safety experts in the mining industry with the XIX World Congress on Safety and Health at Work and the 22nd World Mining Congress with its guiding theme “Innovations and Challenges in Mining” running in parallel. Naturally, this combination served as the ideal platform for ISSA Mining to discuss important matters of safety and health with a wide audience, strengthen existing contacts and initiate new relationships.

The world wide increasing demand for resources means safety and health protection in mining is not only a social responsibility, but clearly an economic factor as well and crucial for acceptance by all stakeholders involved.

As in previous years, ISSA Mining was inviting to the congress. The sym-



Prime Minister of Turkey Recep Tayyip Erdogan opened the XIX World Congress on Safety and Health at Work

posium „Vision 2020 - A One World Approach for a Global Preventive Network in Mining” hosted jointly by the Turkish Ministry of Labour and Social Security (MoLSS) and the Hacettepe University, Turkey ran Wednesday 14 September 2011. Speakers from Germany, the USA, Switzerland, Turkey, and Indonesia discussed how accident frequency and severity can be reduced, what legislative frameworks have to be established to promote this, how specific risks such

as methan concentration can be controlled and how international cooperation can enhance the target of “Vision Zero” – mining without accidents.

Swiss expert Mark Fülleemann found particular interest when he discussed the special responsibility of the management after decades of OSH experience. Fülleemann showed the management’s role in establishing



a new safety culture and the effect on safe behaviour throughout operations.

That successful safety measures are possible in small and medium enterprises as well has been demonstrated by Dr Bettina Nickel, Manager of German aggregate producer Johannes Nickel GmbH & Co. KG in her talk „Make it Important - Behavioural Aspects and Measures of Improving OHS in SME Mines”.



Mark Füllemann found particular interest while discussing the special responsibility of the management in matters of OSH



High level safety can be implemented in SMEs as well, proved Dr Bettina Nickel

## ISSA Mining in dialogue ISSA Mining at the 34th International Conference of Safety in Mines Research Institutes

Approximately 250 industry experts, among them many researchers on mine safety, joined the 34th International Conference of Safety in Mines Research Institutes at the India Habitat Center, New Delhi, India, 6. - 9. December 2011 and were able to hear very interesting presentations by highly competent experts. As in prior years, this conference has been successfully providing a common forum to academics, researchers, safety experts, and industry professionals for discussion and assessment of challenges and achievements in the field of mines safety and disaster management.

ISSA Mining's General Secretary Helmut Ehnes gave the Keynote address of one of the sessions 7 December. Ehnes contribution received excellent feedback by the participants. The fruitful discussion after the talk brought valuable ideas such as the development of an interactive online tool to assist in the implementation of ISSA Mining's Seven Golden Rules.

The follow-up conferences will take place 2013 in the United Kingdom and 2015 in South Korea.

@ ISSA Mining's presentation is available for download at [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



Initiating dialogue on mine safety: Helmut Ehnes giving the keynote



100 delegates from all continents joined the conference

## ISSA Mining in Dialogue

### 5. International Mine Rescue Conference: Mine rescue experts discuss experiences and innovations in Beijing

The 2010 Copiapó mining accident brought the role and importance of mine rescue to a wide public awareness. Mine accidents are a permanent risk, the skills and the performance of mine rescue teams are in some cases the deciding factor on life and death. While mine rescue is ambitious, the challenges are very much comparable throughout the world. An exchange platform thus plays an important role for the experts across the

world, allowing for the further development of rescue methods, and to deepen networking contacts also in the moments after an accident – the importance and potentials of collaboration have been shown once more during the Chile incident.

The International Mine Rescue Conference (IMRC) serves as an important platform to exchange models of good practice and to learn from each other. The 5th



The Chile incident 2010 found broad public awareness. The photo shows miner Luis Urzua, retrieved as the last of the 33 trapped men 13. October. // Photo credit Hugo Infante, Government of Chile.



Conference sponsor Dräger showed innovative PPE at its Beijing training facility

IMRC ran October 24 and 25 2011 in Beijing, China, uniting over 100 delegates of all continents with its motto “Cherish Life, Work Hand in Hand to Build up a Better Future”. In more than 50 presentations experts gave insight into latest developments and lessons learned in mine rescue. Next to traditional aspects of mine rescue such as rescue drilling or response

technology, very interesting information on related experiences have been given, such as on safety monitoring in a chemical park and software for incident management.

The next IMRC with its motto „Sharing Vision, Sharing Knowledge“ will be hosted in Canada, Niagara Falls, in October 2013. Information: [www.imrb2013.ca](http://www.imrb2013.ca)

@ Presentations will be published at:  
[www.minerescue.org/conferences/2011\\_beijing.htm](http://www.minerescue.org/conferences/2011_beijing.htm)

## Dräger and ISSA Mining uniting competence in joint workshop

In connection with the IMRC, experts met at the International Symposium on Emergency Escape Systems in Underground Mining October 27 and 28.

Chaired by ISSA Mining General Secretary Helmut Ehnes experts from Canada, South Africa, Australia, the Czech Republic, the USA and Germany discussed chances and developed future strategies. The collaboration did not just span across borders, but also united expertise of different mining commodities such as coal, salt and gold in three working groups.



Concepts for the future: experts developed strategies at a workshop



The participants of the International Symposium on Emergency Escape Systems in Underground Mining October 27 and 28.

## ISSA Mining in dialogue

# Clausthal Congress: from Courrières to Copiapó – Mine Rescue makes a difference!

**“They enjoy each single day of their life”, reported Fidel Baéz, Manager of the rescue operations in Chile, where 33 miners lives were saved after the collapse of the San José copper-gold mine in August 2010. Baéz has been one of the international mine rescue experts who met in Clausthal-Zellerfeld, Germany, on the occasion of the 100th anniversary of Germany’s Central Mine Rescue Service. Incidents such as the one in Chile show the importance of competent rescue teams, and that mine rescue today means international cooperation.**

On the occasion of the congress hosted by the Central Mine Rescue Service, 240 international experts met in Clausthal 25 and 26 May 2011. Alex Gryska, Chairman of IMRB and Mine Rescue Manager of Workplace Safety North, Sudbury, Canada, opened the most interesting conference. Improvements in cooperation on a global scale will only be successful if standardizing is further developed, Gryska stated. Thomas Spörker, Vaclav Smicka and Josef Trykar added the views of Austria and the Czech Republic and explained their organizations and equipment. Michel Kooij’s found particular interest in discussing fire fighting within closed systems. The Managing Director of Steamexfire, Putten, The Netherlands explained the worldwide use of the “Next Generation of Jet Inert Gas Generators”. Rescue Chambers as an integral part of emergency con-

cepts in mining and tunnelling have been described by Dräger Safety’s Dietmar Diercks, looking back on experience made on this subject his entire working life.

The Central Mine Rescue in Germany has been established as a reaction to a series of severe mine disasters, the participants learned, such as the explosion at the Courrières mine in France, Europe’s worst mining accident, causing the death of 1,099 miners including many children on 10 March 1906.

Most impressive as well have been the keynotes, given by Stefan Dräger of Dräger Lübeck and Frank Hunstock of German mining cooperation K+S in Kassel, illustrating the vital need of close cooperation between mine operators, suppliers, and mine rescuers.

@ Germany’s Central Mine Rescue Service online:  
[www.atenschutzzentrum.net](http://www.atenschutzzentrum.net)



Impressive insights first hand: “They enjoy each single day of their life”, reported Fidel Baéz, Manager of the rescue operations in Chile.



240 international experts met in Clausthal to discuss mine rescue

## Awards

# Success with safety in mining: Tarmac Quarry Materials wins 10th European Good Practice Award

**At the 10th European Good Practice Awards, the European Agency for Safety and Health at Work (EU-OSHA) recognized and rewarded the outstanding contribution to safe maintenance today, made by eight organizations and companies from across Europe. Part of EU-OSHA's Healthy Workplaces Campaign on Safe Maintenance, the awards were presented at a ceremony hosted by the Hungarian Presidency of the European Union on the World Day for Safety and Health at Work.**

### The Winners

The eight winners are Voestalpine Hytronics GmbH and Voestalpine Weichensysteme GmbH (Austria, iron and steel production) for their use of technology and organisation to achieve safer maintenance; Protón Electrónica SLU (Spain, electrical equipment) for coordinating repair and maintenance with the client; Actavis Ltd (Malta, pharmaceutical products) for its proactive and reactive interventions to improve maintenance safety; Skellefteå Räddningstjänst (Sweden, fire services) for its development of safe work routines for firefighters; Sonae (Portugal, retail trade) for its management of preventative and corrective maintenance; GHT - Glass Handling Technic Vof (Netherlands, Horticulture) for maintaining and repairing horticultural glasshouses safely

Entries were received from organizations of all sizes, and from a wide variety of industrial sectors, keen to demonstrate and share their good practice examples. A booklet published showcases the good practices implemented by the eight winners and fifteen commended companies.

“The winning companies and organizations have made exceptional contributions to promoting safe maintenance good practice,” said László Andor, Commissioner for Employment, Social Affairs and Inclusion.

and effectively; Tarmac Quarry Materials (United Kingdom, mining and quarrying) for its competent maintenance teams and STIB-MIVB (Belgium, transport) for its comprehensive approach to maintenance starting from the design of the work area.

Jukka Takala, Director of EU-OSHA, praised the high quality of the entries: “Our network of focal points in participating Member States and Turkey received hundreds of good practice examples, with the very best national examples taken forward to the European level Good Practice Awards. The eight winners and fifteen commended companies all demonstrate the crucial role regular maintenance plays in eliminating workplace hazards and managing risks, underlining the key messages of the Healthy Workplaces Campaign.”

@ Read more on EU-OSHA's website:  
[http://osha.europa.eu/en/about/competitions/good-practice-award\\_2010-2011/index\\_html](http://osha.europa.eu/en/about/competitions/good-practice-award_2010-2011/index_html)



The winners with László Andor, Commissioner for Employment, Social Affairs and Inclusion, and NAPO - the cartoon character from European OSH videos

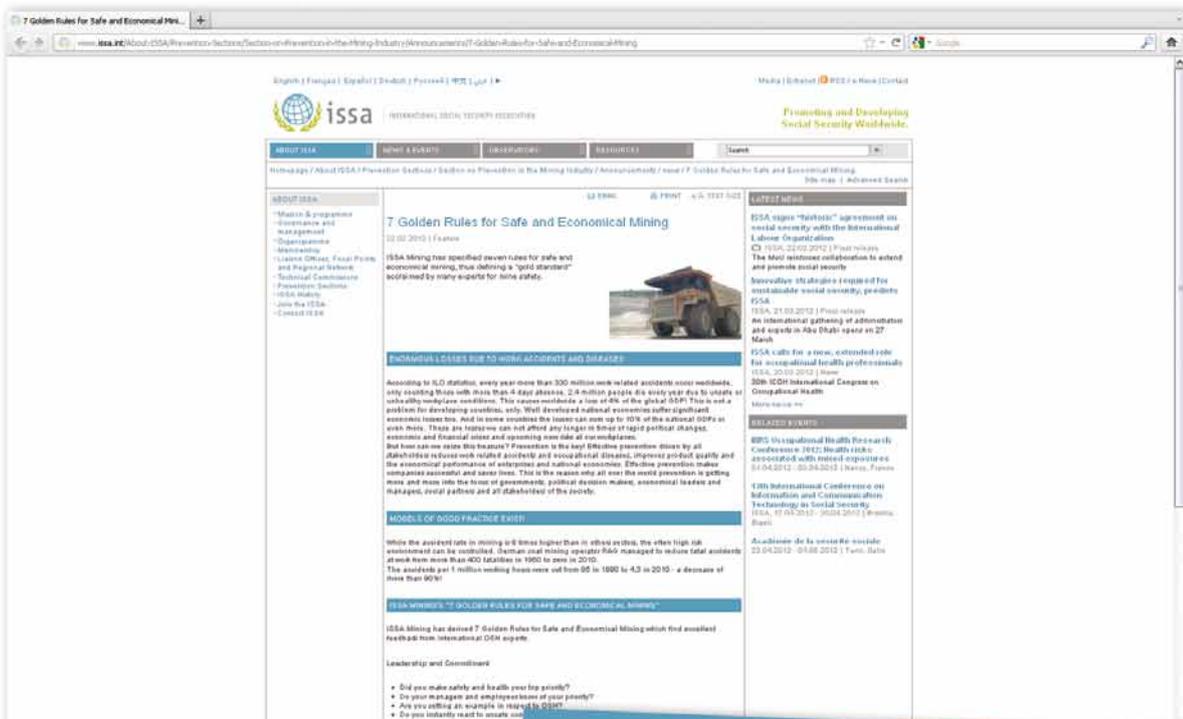
# Best Practice

## 7 Golden Rules for Safe and Economical Mining

ISSA Mining has specified seven rules for safe and economical mining, thus defining a "gold standard" acclaimed by many experts for mine safety. As a vital part of ISSA Mining's work, these rules have been

added as the key feature of ISSA Mining's website, including added information on how to transfer these guidelines into business by questions to each manager. A "To Go"-version for download is available as well.

<http://www.issa.int/About-ISSA/Prevention-Sections/Section-on-Prevention-in-the-Mining-Industry/Announcements/7-Golden-Rules-for-Safe-and-Economical-Mining>



## Awards

# MPA Highlights Competence as Critical at its Health & Safety Conference and Awards



**MPA's prestigious Health and Safety Conference and Awards took place on Tuesday 15 November at BAFTA, London, to celebrate and share outstanding examples of best practice by MPA members, in order to inspire and help the industry to achieve the highest standards in health and safety.**

Overall, the Awards attracted 126 entries from 28 companies, the highest level of participation ever and up on 2010's record level. An increasing proportion of submissions were provided by companies with less than 1,000 direct employees, also the highest ever. A record turn out of 220 delegates attended on the day.

There was a new dimension to the event this year, in that a morning Conference preceded the afternoon Awards ceremony. The Conference focused on Competence, where the quarrying industry is recognised to be leading other comparable industries; further improving control of Contractors; and maximising the industry's ability to protect workers with regard to Occupational Health issues.

Nigel Jackson, Chief Executive MPA, said, "Health and Safety is an absolute priority for MPA and these awards play a key part in helping our industry to achieve its overall goal of Zero Harm by sharing new ideas and fresh thinking.

"MPA recognises that Competence is a key element of health and safety and, as a result, our members developed and recently approved and have now adopted 'Safer by Competence' as a key MPA policy. This new policy aims to develop a fully competency-assured workforce and enable members to demonstrate they have achieved this, through meeting the relevant national occupational standards. 'Safer by Competence' will support members in reaching the goal of a 'fully competent workforce'."

The afternoon Awards presentation moved from the broader issues to look at members' practical and cutting-edge approach to understanding and tackling health and safety challenges. The two overall winners of this year's independently judged MPA Health and Safety awards were Singleton Birch Limited, who won the Sir Frank Davies Trophy for companies with less than 1000 employees, and John Wainwright and Co. Limited, who won the John Crabbe Memorial Trophy for outstanding excellence in health and safety.

"Judging the John Crabbe Trophy required companies to show they had a clear understanding of the most common problems in the industry. It is really good to see innovation from the workforce and support from management come

together so clearly and yield such positive health and safety improvements.

"I look forward to the MPA Awards as they showcase that health and safety at work in the mineral products environment is improving year on year and help to bust the myth that health and safety stifles businesses."

Many outstanding examples of industry best practice and innovation in health and safety were showcased at the Awards. The Awards were judged across seven categories, comprising:

- Bitumen; Asphalt; Contract Surfacing: Promoting Safer Behaviour
- Contractors Safety
- Engineering Initiatives
- Leadership; Training and Management Systems Initiative
- LGVs and all company vehicles; Driver Safety/Public Safety
- Occupational Good Health
- Worker Involvement

In addition, two Special Awards were presented and twenty named individuals were recognised for "going the extra mile" in furthering the cause of health and safety.

## Awards

# Work on mine safety awarded in European photo competition

Miran Bešković won an award in the European Photo Competition hosted by the European Agency for Safety and Health at Work with a photo focussing on safety in mining. His work titled "Beginners" shows stu-

dents preparing to work in a dangerous environment of the Velenje coal mine, Slovenia, in few years. The picture captures the mining instructor preparing the students for their future duties.

@ More awarded photos are available at:  
<http://osha.europa.eu/en/campaigns/competitions/european-photo-competition-2011>



"Beginners", Source: EU-OSHA/Miran Bešković

## Industry

# Ontario Mine Rescue Competition: West Mines team dedicates win to colleagues

**Mine rescuers from Vale West Mines celebrated winning the 61st annual Ontario Mine Rescue Competition in Marathon in June, but the festivities were muted by the deaths of two miners a few days earlier at the company's Stobie Mine in Sudbury.**

Briefing Officer Jacques Joduin, in accepting the trophy for the team at the closing banquet, dedicated the achievement to miners Jason Chenier and Jordan Fram, who

died following a run of muck. The fatalities, a poignant reminder of the importance of mine rescue, were commemorated with a minute of silence during the awards presentation as most participants and audience members wore black ribbons.

The Vale team of Captain Brian Small, Vice-captain Paul Frising, Eric Gagne, Neil Thompson, Lorne Beleskey, Ron O'Bumsawin, Jodie Dumochel, and Joduin, also won the Team Firefighting Award.

Barrick-Hemlo technician Denis Bilo-deau won the Technician Award.

Though the provincial competition has occasionally been held in underground venues in recent years, this marks the first time the entire competition has been held underground at an operating mine, Williams Mine. The effort was undertaken at the request of and with the full support of Barrick-Hemlo officials, as well as the support of the Marathon community.

## Mine rescue teams find missing miners, extinguish fires

**In the competition scenario, mine rescue teams were called to the mine rescue station to respond to a report of an underground fire.**

Teams were informed that three workers were missing underground while a fourth was in a refuge station, and instructed to find one of the missing miners, a pumpman believed to be in a pump station drift. Teams located the unconscious pumpman on a catwalk over a sump in a low-oxygen environment. After treating the worker on the narrow catwalk, and removing him to surface, teams were directed to



Vale West Mines rescue team poses during a break in action at the 2011 Ontario Mine Rescue Competition at Barrick-Hemlo's Williams Mine, near Marathon.

speak to one of the missing workers, who had since reported from a refuge station.

On their way to the station, the teams discovered the final missing worker, conscious and wearing a Dräger Airboss breathing apparatus, but trapped in a truck that had crashed and severed an arcing cable. Teams discovered the .re at a damaged electrical panel when they searched for a switch to the energized cable.

After extinguishing the fire and de-energizing the cable, the teams were able to rescue the remaining worker and transport him to surface. After servicing their BG4s, the teams were called to extinguish a vehicle fire in the yard using a compressed air foam generator, ending the competition problem. Competing mine rescue teams represented Canadian Gypsum Co. (Southern District); Goldcorp Canada, Musselwhite Mine (Red Lake District); Barrick-Hemlo (Thunder Bay/Algoma District); Xstrata Copper, Kidd Mine (Timmins

District), Kirkland Lake Gold, Macassa Mine (Kirkland Lake District); Xstrata Nickel (Onaping District); and Vale West Mines (Sudbury District).

Barrick-Hemlo finished Overall runnerup. Xstrata Copper's Kidd Mine won the Team First Aid Award, while Xstrata Nickel won the Team Special Equipment Award. In the technician competition, Vale East Mines technician Derrick Parsons finished second, and Tom Hopkins, of Quadra FNX Mining, finished third.

This year's competition was co-hosted by Barrick-Hemlo, North American Palladium, Wesdome Gold Mines, and Richmond Mines. The event was sponsored by Dräger Safety, Technica Mining, DeBeers Canada, and Acklands Grainger.

*Article courtesy of LinkLine Newsletter*

[www.workplacesafetynorth.ca](http://www.workplacesafetynorth.ca)

## Industry

### Two years without lost time injury in the cement industry

Cemex UK business unit Cemex Cement has achieved two years without a lost time injury (LTI) reports magazine "Aggregates Business Europe" (ABE).

"This is an unprecedented achievement of two year LTI free and our cement colleagues are to be congratulated for their tremendous ef-

fort in keeping themselves and each other safe over the year. But incidents happen in the future not the past so we must always be vigilant," ABE quotes UK Cement Operations and Technology vice president Carlos Uruchurtu.

@ Source: [www.aggbusiness.com](http://www.aggbusiness.com)



Cement plant (file photo)

## Toolbox

# EU-OSHA launches landmark project to facilitate risk assessment in Europe's small enterprises

Officially launched at the XIX World Congress on Safety and Health at Work in Istanbul on 12 September 2011, the Online interactive Risk Assessment (OiRA) project marks the first initiative at EU level to facilitate workplace risk assessment. Developed by the European Agency for Safety and Health at Work (EU-OSHA), the innovative tool will help Europe's 20 million micro and small enterprises to improve safety and health for their workers by assessing risks through an easy-to-use and cost-free web application.

"Experience shows that proper risk assessment is the key to healthy workplaces," explained Dr Jukka Takala, then Director of EU-OSHA. "Yet carrying out risk assessments can be quite challenging, particularly for small enterprises as they lack adequate resources or the know-how to do so effectively. The reasons companies give for not carrying out checks are lack of expertise (41%), the belief that risk assessments are too expensive or that they are overly time consuming (38%). In OiRA, EU-OSHA is proud to offer a free online tool to overcome these challenges. OiRA contributes to eliminating or reducing the 168 000 work-related deaths, 7 million accidents and 20 million cases of work-related disease annually in the EU 27", says Dr Takala.

The vision of EU-OSHA's landmark project is to assist small

enterprises in putting in place a step-by-step risk assessment process – starting with the identification and evaluation of workplace risks, through to the decision making on preventive action, identification of adequate measures, to continued monitoring and reporting. The aim is to reduce the burden for small enterprises of carrying out and documenting their risk assessments easily and quickly while maintaining accuracy.

"EU-OSHA is working closely with the authorities and social partners at EU and national level to put the OiRA tool generator at their disposal," continued Dr Takala. "In turn, these partners will develop their own sector-specific and fully customisable OiRA tools and offer them for free to small enterprises." The collaboration with key social



"Experience shows that proper risk assessment is the key to healthy workplaces," explains Dr Jukka Takala, EU OSHA Director at the time of the OiRA launch. (photo courtesy of EU-OSHA)



partners also encourages widespread take-up and use of the tool at enterprise level and leads to the development of an OiRA community to share knowledge and experience. The final tool is backed by support and full guidance services provided by EU-OSHA to the developers.

OiRA projects have been launched both at EU level and Member State level (Cyprus, Belgium and France), piloting the development and diffusion model and covering sectors such as hairdressing and transport.

Based on the successful Dutch Risk Inventory & Evaluation instrument, the OiRA tool sets out to replicate this success across Europe. Since the creation of the Dutch online tool ([www.rie.nl](http://www.rie.nl)), there have been a total of 1.6 million visits to the website. This is an impressive number given that the Netherlands is a relatively small country with approximately 800 000 companies in total. The tool is downloaded an average of 5 000 times per month.

@ More information on the OiRA project website: [www.oiraproject.eu/about](http://www.oiraproject.eu/about)



## Research

# Alumnus of German mining university receives academic award by ISSA Mining

Scientific findings for business practice:  
Jörg Blaschke (left) received his award by  
Dr Günter Levin, ISSA Mining

**Jörg Blaschke, alumnus of German mining university "Technische Fachhochschule (TFH) Georg Agricola", State-Approved Private University of Applied Sciences, is the first time receiver of ISSA Mining's academic award of occupational safety and health.**

Blaschke received his award for his thesis "Implementation of a health management system on-site of a global machine supplier".

With its award, worth 1,000 Euros, ISSA Mining recognizes outstanding academic work on occupational safety and health. The awarding

ceremony took place at TFH April 29, 2011. While analyzing the implementation of a health management system with German producer AKER Wirth GmbH, Blaschke derived specific measures for prevention and health promotion, particularly taking into consideration aspects of globalization and demographic change, today's challenges for corporate health protection.

"First and foremost, we value the direct application of practical aspects, as opposed to a plain theoretical academic approach", commented Dr Günter Levin, Technical Secretary of ISSA Mining.

## Seeking new impulses from researchers!

ISSA Mining is interested in academic findings in occupational health and safety for the mining industry and other sectors.

Do you know of anyone working on a paper or having it finished yet? Please make them aware of ISSA Mining's academic award of occupational safety and health.

**Contact: [helmut.ehnes@bgrci.de](mailto:helmut.ehnes@bgrci.de)**

## Research

# Success factor OSH: International study proves economic benefit of prevention

**Businesses profit from investing in occupational safety and health (OSH). This has been proven by an international study initiated by the ISSA, the German DGUV (German Social Accident Insurance) and the German BG ETEM, statutory accident insurance for the sectors energy, textile industry, electricity and media. The study concludes that investments in prevention lead to a benefit of more than double the invested amount.**

OSH regulations and prerequisites differ significantly around the world, Prof. Dietmar Bräunig of the Justus Liebig University Gießen/Germany states, who conducted the study together with Dr Thomas Kohstall of the Institute for Work and Health of the German Social Accident Insurance (IAG). Given this, a general insight into the usefulness of such investments is of interest.

For this reason the researchers interviewed representatives of 300 businesses in 16 countries in 2010 and 2011 on their view on the economic effect of investments into OSH. On this basis a prevention balance could be designed.

### The Result

The companies involved showed a Return on Prevention (RoP) of

2.2, meaning each Euro invested has an economic potential of 2.2 Euros outcome. This represents the average value; the individual return is reflected also by the economic situation and the market.

The study bases on a standard interview and also showed that other than economic benefits, an improved public image, an improved internal business culture, an increased employee motivation, and a reduction in the number of loss time and business disruptions are further effects of prevention.

This method of prevention balancing required that businesses tak-

ing part in the study collected significant experience in prevention, states Dr Kohstall. The researcher assumes that companies with lesser prevention commitment in the past would even see higher potentials from improved prevention than the measured index.

Regardless of the region: every business thriving for success should invest in prevention, Bräunig summarizes.

**The final version of the report is to be published in fall 2012.**



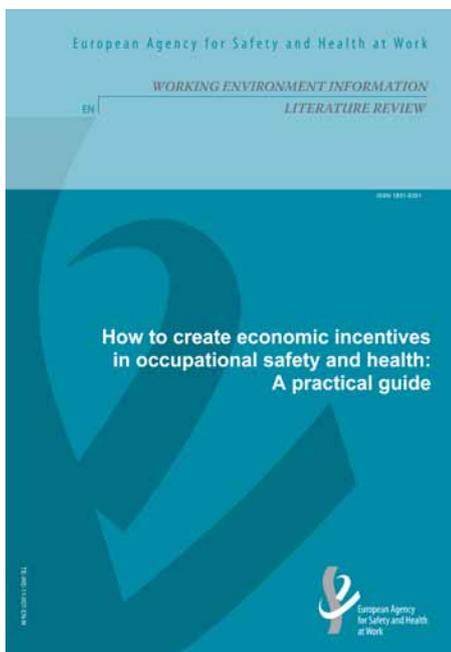
CCTV systems on earth moving machines improve operational safety significantly and can also be retrofitted to the fleet.

## Research

# Investing in prevention: EU-OSHA recommends incentives, introduces guide

The European Agency for Safety and Health at Work presents a **Guide on Economic Incentive Schemes to promote Occupational Safety and Health (OSH)**.

The guide intends to serve as a practical and user-friendly guide to help incentive providers to create or optimise their own economic incentive schemes and recommends incentives schemes should not only reward past results of good OSH management (such as low accident numbers), but should also reward specific prevention efforts that aim to reduce future accidents and ill-health.



The agency's research, created by over 30 experts, among them the Institute for Work and Health, Germany, and Munich-Re, suggests that economic incentive schemes encouraging companies to invest in risk prevention are a cost-effective

option for governments looking to cut the numbers of work-related accidents and illnesses. The guide is based on the findings of EU-OSHA's European economic incentives project to draw up a practical and user-friendly guide to help incentive providers in the EU create or optimise their own economic incentive schemes.

### Written by users for users

A special feature of the guide is that it was produced by the potential users themselves, namely the members of the EU-OSHA economic incentives expert group, in order to ensure the highest possible relevance for this target group. This expert group was established in 2007 to give advice and input to the Agency products related to economic incentives, and to help to promote the results among stakeholders.

The aim is to stimulate discussions in the EU Member States about economic incentives in OSH, which are regarded as an effective tool to reduce accidents and improve working conditions.

The economic incentives project has already encouraged different EU Member States to learn from each other, and to exchange good practice in designing incentive schemes, EU-OSHA states. All in all, the project shows that economic incentives can be effective in all

Member States, despite the wide



This 1992 Liebherr excavator has been retrofitted with a platform allowing for safe access and egress. The German accident insurance provider supported the investment with 4,000 Euros.

differences in their social security and accident insurance systems.

The project and its results have been presented at conferences and workshops in numerous European countries, including Bulgaria, Cyprus, the Czech Republic, Germany, Italy, Sweden, Slovenia and the UK. Some practical consequences have already been observed. For example, the Italian workers' compensation authority INAIL has developed a new incentive scheme which takes into account the experiences and good practice of other countries and is therefore based on the best available international knowledge. With a budget of over €60 million, the INAIL scheme is targeting small and medium-sized enterprises in particular. Experts estimate that it could lead to benefits worth €180 million at society level.

@ <http://osha.europa.eu/en/publications/reports/guide-economic-incentives/view>



## Research

# Immigrant worker safety: IWH develops OHS information tool for newcomers

**Institute for Work & Health researchers are helping fill a gap in the occupational health and safety system: the need for information tailored to immigrant workers, delivered to them through the services they regularly access at the community level.**

Immigrant workers are a vital and important part of Canada's labour market. One in five Canadian workers is an immigrant and, as of this year, immigrants are expected to account for all of Canada's net labour force growth. Yet, immigrant workers are among Canada's most vulnerable when it comes to their health and safety on the job. This was raised in the report of the Expert Advisory Panel on Occupational Health and Safety, which submitted its recommenda-

tions to the Ontario Minister of Labour in December 2010.

The Panel was appointed last year to examine Ontario's occupational health and safety landscape. It came in the wake of a horrific workplace accident on December 24, 2009, when four migrant construction workers died and a fifth was seriously injured after their swing-stage platform snapped 13 stories above the ground.

Based in part on Institute for Work & Health (IWH) research findings, the Panel acknowledged that immigrant workers are vulnerable for a number of reasons: not knowing their legal rights, working in jobs without experience or hazard-specific training, and being unlikely to raise health and safety issues for fear of losing their jobs. It therefore recom-

mended that Ontario's health and safety system "develop information products in multiple languages and formats for distribution through various media and organizations" to raise awareness of OHS among immigrants and other vulnerable workers.

IWH Scientist Dr. Agnieszka Kosny and her team are already on the job, developing information and training modules for immigrant workers on their rights and responsibilities under employment, occupational health and safety and workers' compensation legislation. And they're working with settlement agencies to get the information out.

 **Full text and link to resources:**  
[www.iwh.on.ca/at-work/64/ohs-information-tool-for-newcomers](http://www.iwh.on.ca/at-work/64/ohs-information-tool-for-newcomers)



## Research

# Occupational Safety and Health in the member states of the Commonwealth of independent states: five year analysis by ISSA Mining member

ISSA Mining member Prof Dr Konstantin Todradze, First Deputy Director of All Russia Occupational Safety Centre, Moscow/Russian Federation, assembled the comprehensive report "Occupational Safety and Health in the member states of the Commonwealth of Independent States (2005-2009)".

The 46-page paper delivers insight on accidents at work, fatalities (including numbers weighted against the active workforce), loss time due to temporary disability and more data over a five year time span on the countries Azerbaijan, Armenia, Belorussia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, and Ukraine.

### Contents:

#### *Introduction*

1

General description of state of working conditions and occupational safety in the CIS countries.

1.1

Common tendencies defining the state of working conditions and occupational safety at works.

1.2

Statistic data on occupational injuries in the CIS countries.

2

State of occupational injuries in the main economic branches of CIS countries.

3

State of working conditions in the CIS countries.

4

Working conditions and occupational safety in the small and medium size enterprises of CIS countries.

5

Implementation of state politics in the field of occupational safety in the CIS countries.

6

Social control of state of occupational safety exercising by the Trade Unions of CIS countries.

7

International and Industrial Trade Union Associations activities in the field of improvement of working conditions and occupational safety.

8

Conclusions and recommendations.



The report has been made available to ISSA Mining by Prof Dr Todradze and is available for PDF download on ISSA Mining's website:

<http://www.issa.int/About-ISSA/Prevention-Sections/Section-on-Prevention-in-the-Mining-Industry/Announcements/Occupational-Safety-and-Health-in-the-member-states-of-the-Commonwealth-of-Independent-States-2005-2009>



## People in Mining & Safety

# UK: RoSPA recognises quarryman's contribution to health and safety

The Royal Society for the Prevention of Accidents has recognised a geologist-turned-quarryman's outstanding contribution, over more than 35 years, to safe and healthy working in the quarrying and mineral products sector.

Martin Isles, director of health and safety at the Mineral Products Association (MPA), was presented with a RoSPA Distinguished Service Award at a ceremony at the Hilton Glasgow 22 September 2011. In his current role at the MPA, and also as President of the Institute of Quarrying, Mr Isles is at the leading edge of the sector's UK, European and inter-continental interests in health and safety, driving continuous improvement for all engaged in or affected by the industry.

In 2000, at the behest of the chair of the then Health and Safety Commission, he signed the voluntary Hard Target pledge on behalf of the Quarry Products Association, the forerunner of the MPA. During the 10 years that followed, he was at the centre of instilling a common culture among the QPA's members for continuous improvement in health and safety performance, sharing good practice and incident information and raising standards of behavioural safety and worker involvement.

In 2005, Mr Isles oversaw the creation and launch of [www.Safequarry.com](http://www.Safequarry.com) which he has directed and

developed extensively since then. This website is now recognised across Europe and beyond as the industry's primary focus for health and safety, hosting, among its many features, output from MPA's annual awards scheme, which Mr Isles has directed since 1996.

In 2009, he introduced the novel "Safer by Design" initiative seeking to improve the "designed-in" safety of the industry's heavy mobile plant, by working with the manufacturers, standards-makers and regulators. This initiative has since achieved global recognition, and Mr Isles is now driving the development of a raft of new "Safer by..." initiatives. RoSPA Distinguished Service Awards are reserved for individuals who make exceptional contributions to society through their work in health and safety, and only a handful are presented each year.

Tom Mullarkey, RoSPA's chief executive, said: "The tremendous contribution that Martin Isles has made to saving lives and reducing injuries in the UK minerals sector is shown by the 83 per cent reduction in reportable injuries he oversaw from 2000-2009. He expresses total commitment to achieving further improvements in safety and health and his enthusiasm, confidence, motivation and integrity are second to none."

Mr Isles said: "When one looks at the list of past winners of this rare



Martin Isles talking on occupational health and safety at the 6th Atlantic Alliance Conference, Brussels Oct 21, 2010

accolade, I am humbled to be in such exalted company. It has redoubled my motivation to achieve even greater strides to the benefit of all who work at the sharp end in this fascinating yet challenging industry."

[www.rospace.com](http://www.rospace.com)

[www.safequarry.com](http://www.safequarry.com)

[www.mineralproducts.org](http://www.mineralproducts.org)

### RoSPA

The Royal Society for the Prevention of Accidents (RoSPA) is a British charity which aims to promote safety. It is among other known for its vocal campaigns on issues of road safety, the Cycling Proficiency Test and the Green Cross Code, as well as on issues of occupational health and safety.



## People in Mining & Safety Renowned Stefanko Best Paper Award to ISSA Mining's Ehnes, Kretschmann

ISSA Mining General Secretary Helmut Ehnes received the important Stefanko Best Paper Award for a paper on prevention in mining. The internationally renowned recognition has been presented by the Society for Mining, Metallurgy & Exploration (SME) to Helmut Ehnes and ISSA Mining member Jürgen Kretschmann, President of German Technical Mining University Georg Agricola Bochum for their joint 2011 contribution „Success by Systematic Safety“ in which they discussed models of good prevention practice in mining and risk management.

The Stefanko Best Paper Award, established in 1983, recognizes authors presenting papers in the Coal & Energy Division technical sessions, at SME Annual Meetings,

for their contributions to the body of knowledge. The awarded has been named after Dr Robert Stefanko, SME President 1979 to 1981.

The paper has been selected by an international jury of mine researchers. Kretschmann and Ehnes received the award on the occasion of SME's annual meeting in Seattle WA 21 February as the first non-US scientists ever.

“I feel very honoured upon receiving this award”, Kretschmann said. “It shows the recognition of the high level of research by universities of applied sciences in Germany also on an international scale. Our joint success stands for the excellent cooperation between mine research, mining authorities, operators, and the accident insurance.”

Laureates Helmut Ehnes and Jürgen Kretschmann with Michael A. Trevits of the Society for Mining, Metallurgy & Exploration SME (from left)

„Modern Occupational Safety and Health needs the active dialogue of all stakeholders, also across borders,“ added Ehnes. “We need to share results. Only this way we will sustainably improve safety and health in mining. I feel honoured that our joint efforts have found such acclaim and hope this will be a beacon for initiatives to come.“

[www.smenet.org/awards/viewAward.cfm?category=1&typeld=22](http://www.smenet.org/awards/viewAward.cfm?category=1&typeld=22)



## People in Mining & Safety

### Dr Christa Sedlatschek heads EU-OSHA

Dr Christa Sedlatschek has been appointed as the director of the European Agency for Safety and Health at Work (EU-OSHA). Former Head of Initiatives, Programmes, Transfer and Network Management and Director of the Initiative for a New Quality of Work ([www.inqa.de](http://www.inqa.de)) at the German Federal Institute for Occupational Safety and Health (BAuA), Dr Sedlatschek's appointment has been confirmed by the Bureau of EU-OSHA's Governing

Board following her nomination by the EU-OSHA Governing Board on 29 June and an exchange of views with members of the European Parliament on 13 July. She took up her new post on 16 September 2011 and succeeded Dr Jukka Takala. Károly György, chair of the Governing Board said: "Christa Sedlatschek has a strong track record in promoting better safety and health at work at both national and European levels. Having been strongly

involved in EU-OSHA's start-up, we are delighted to have her back on board and she is a worthy successor to Jukka Takala. She has the vision, experience and commitment to lead EU-OSHA and make use of the strength of its tripartite governance in the next stage of its development. We look forward to working with her to achieve higher levels of safety and health in working conditions."

Dr Sedlatschek told members of the European Parliament's Employment and Social Affairs Committee, that as Agency Director she would focus on four priority areas. Firstly, on getting the message across and strengthening the marketing of occupational safety and health (OSH) as a 'benefit for all'. Secondly, to stimulate the establishment of a preventive OSH culture in Europe. Thirdly, to network and cooperate with key stakeholders to develop and disseminate information that can be of use in their work at European and national level. And fourthly, to mainstream OSH into other policy areas such as education and training.

Commenting on her appointment, Dr Sedlatschek said: "I am deeply honoured to be appointed to lead EU-OSHA. I am fortunate to inherit from Jukka Takala an agency with an excellent reputation and a highly motivated and expert staff. My overriding aim is to ensure that EU-OSHA continues to combine scientific excellence with practical solutions that can really contribute to making Europe's workplaces safer, healthier and more productive."



Dr Christa Sedlatschek is the new head of EU-OSHA



## News by other ISSA Prevention Sections

### ISSA Chemistry: International workshop "Gases under pressure"

In mining as well as in many other industrial sectors, gases under pressure are stored, transported, handled and used in various types. This involves different hazards due to the special properties of the given substance class in particular its physical property of the increased pressure. Also, toxic gases, working

under overpressure or by oxygen deficiency are health risks. The international workshop "Gases under pressure" by ISSA Chemistry during the 2012 AICHEMA trade fair will unite expert speakers from the industry, the Federal Ministry of Labour and Social Affairs Germany, the accident insurances, various

authorities and the fire department. The workshop offers an international framework for discussion and exchange.

**20. - 21. June 2012 | Frankfurt, Germany - DECHEMA House, Franz-Patut-Auditorium**

## New brochure on safe storage of chemicals

How are chemicals safely stored? This question is relevant not only in chemical plants; if you are handling any of the following products, safe storage of chemicals is important for you: oils, solvents and thinners such as in a repair shop; gas bottles with acetylene, oxygen, liquefied gases; paint and varnishes; cleaning and disinfecting agents; building foams, cement residue removers.

A new brochure, issued by the ISSA Section on Prevention in the Chemical Industry, gives a practical guide to where and how chemicals should be kept, in particular for small and medium-sized enterprises. The target group are all people who are involved in the storage of chemicals, primarily warehouse foremen, and all employees in storage facilities. Specific knowledge of chemistry is not required.

The brochure is available in English and German language (Price 8 Euro each) at ISSA Chemistry Section c/o BG RCI (Berufsgenossenschaft Rohstoffe und chemische Industrie), Kurfürsten-Anlage 62, D-69115 Heidelberg/Germany (Phone: +49 6221-5108-0, Mail: [christa.lenz@bgrci.de](mailto:christa.lenz@bgrci.de)).

Download: [http://safety-work.org/en/pages/topics/chemicals/storage\\_of\\_chemicals.html](http://safety-work.org/en/pages/topics/chemicals/storage_of_chemicals.html)

## Seminar: Functional Safety and Validation

Manufacturers of control systems in safety-relevant applications now have two basic technical regulations at their disposal (IEC 62061, EN ISO 13849-1 and EN ISO 13849-2). This seminar of the ISSA Section on Machine and System Safety will provide participants with basic knowledge and practical examples on the application of both standards. Expert speakers will present information on the important role of standardization in machine safety, and on the implementation of these standards in practice.

**15. - 16. October 2012 | Montreal, Canada**

[www.issa.int/About-ISSA/Prevention-Sections/Section-on-Machine-and-System-Safety/Events2/Seminar-Functional-Safety-and-Validation](http://www.issa.int/About-ISSA/Prevention-Sections/Section-on-Machine-and-System-Safety/Events2/Seminar-Functional-Safety-and-Validation)



## More events for the Mining Industry

<b>Intermat</b>	15.- 20.04.2012	Paris, France
<b>Global Sustainable Mining Summit</b>	24. - 25.04.2012	London, UK
<b>Operational Excellence in Mining Summit 2012</b>	24.- 25.04.2012	Johannesburg, South Africa
<b>World Day for Safety and Health at Work</b>	28.04.2012	
<b>ConBuild 2012 Indonesia</b>	02.- 05.05.2012	Jakarta, Indonesia
<b>Health, Safety and Rescue Operations in Mining</b>	29.- 30.05.2012	Rio De Janerio, Brazil
<b>Forum on Industrial Safety</b>	29.05.- 01.06. 2012	Saint-Petersburg, Russia
<b>Turkey Mining Summit 2012</b>	04.- 07.06.2012	Turkey, Istanbul
<b>3rd Annual Global Mining Technology Forum</b>	06.- 07.06.2012	Johannesburg, South Africa
<b>Expostone - International Exhibition on mining, processing and use of natural stone</b>	08. - 09.10.2012	Moscow, Russia
<b>Vietnam International Construction &amp; Building Exhibition 2012 incorporating Security and Fire Vietnam</b>	19.- 21.06.2012	Ho Chi Minh City, Vietnam
<b>4th European Conference on Standardization, Testing and certification in the Field of Occupational Safety and Health</b>	26.- 28.06.2012	Helsinki (Espoo), Finland
<b>Seminar "Functional Safety and Validation" by the ISSA-Section Machine and System Safety</b>	15. - 16.10.2012	Montréal, Canada
<b>bc India - International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines and Construction Vehicles</b>	05. - 08.02.2013	Mumbai, India

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

## New members



ISSA Mining gladly welcomes its new members

- **Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST), Montréal (Québec), Canada**
- **Chourji Manpower International, Chourji Lahore, Pakistan**
- **Türkiye Taskömrü Kurumu (TTK), Zonguldak, Turkey**

and the expert members

- **Pishevar Hamidreza, Velenjak, Iran**
- **Ricardo Bandin, Beja, Portugal**
- **Thi Hoai Nga Nguyen, Hanoi University of Mining and Geology, Vietnam**
- **Mark Füllemann, CH 5400 Baden, Switzerland**

## 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)

## 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)

## ISSA Mining Newsletter

Published by the International Section of the ISSA on Prevention in the Mining Industry, Geneva/Bochum.

**President:**  
Theodor Bülhoff

**Vice-President:**  
John McEndoo

**Vice-President:**  
Bui Hong Linh

**Secretary-general:**  
Helmut Ehnes

[ISSA.Mining@bgrci.de](mailto:ISSA.Mining@bgrci.de)

**Editor:** Peter Schrandt  
[peter.schrandt@bgrci.de](mailto:peter.schrandt@bgrci.de)

**Subscription and unsubscription:**  
Petra Dölitzscher  
[ISSA.Mining@bgrci.de](mailto:ISSA.Mining@bgrci.de)

**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)