

NEWSLETTER

September 2011



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Dear EFEE members

Hope all of you have had a great summer with sunny and warm weather when we now with loaded batteries are moving into a darker and cooler autumn. Even if we also can see and hear some increasing darkness of the world economy and that the state of the market also is moving into lower activities I can see lot of light and future challenges through the tunnel.

Next week we will start our 6th World Conference on Explosives & Blasting in Portugal. I believe it will be a great success with many interesting papers and delegates from more than 50 countries.

One topic on the conference will of course take attention on the coming EU directives. When the implementation of the track and traceability directive now is in full speed and highlighted by all explosives manufactures will this be lot of interest to meet and discuss how to get this finished to April 2013. Then the manufactures have to help the end users to get it in place at site in two years time.

In the workshop and some papers there will also be focus on tunnelling in urban areas and how to control and solve the unavoidable disturbances. Going underground when the city space becomes more and more built-up is always of great interest.

These important questions and different standards regarding vibrations will be discussed in a new Committee "Environmental Committee" starting before the Conference in conjunction with the Council.

Otherwise the social part is not to forget and meeting friends and colleagues maybe is the most important part.

So hope to see you in Lisbon in a week.

Donald Jonson, President of EFEE

The EFEE-Newsletter

This issue includes information about:

- An introduction to the 6th EFEE World Conference, in Lisbon Portugal, September 2011.
- An EFEE condolence to the family of Danny Jowenko.
- New EFEE members.
- And notifications about the upcoming events in the world of explosives.

We in EFEE hope you will enjoy the present EFEE-Newsletter, the next edition which will be published in March 2012. Please feel free contact the EFEE secretariat if:

- You have a story you want to bring in the newsletter.
- You have a future event for the next EFEE-newsletter upcoming events list.
- You want to advertise in a future newsletter.

Or any other matter.

Johan Finsteen Gjødvad, Chairman of the Newsletter committee and member of the board

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The 6th EFEE World Conference on Explosives and Blasting

18th -20th September 2011, Lisbon Portugal

More than 500 professionals from over 50 different countries from the construction, demolition, quarrying and mining industry are expected at Corinthia Hotel in Lisbon September 2011 where they will attend the 6th EFEE Conference. The latest techniques, products and developments covering the art of successful Blasting will be presented in convenient auditoriums and exhibition areas.

Schedule

The Schedule of Events starts on Sunday with the Registration and a Workshop. Monday and Tuesday will be for Technical sessions and Exhibition.

Sunday, 18 September	12:00-18:00	Conference registration
	14:00-17:00	Workshops on:
		<ul style="list-style-type: none">• New EU-directives 2008/43 and a system for the identification and traceability of explosives for civil uses• How to handle and solve vibration, noise disturbances in urban tunnelling projects
	18:00-19:30	Welcome drinks reception & opening speeches
Monday, 19 September	8:30-17:00	Technical session & Exhibition
	19:30-	Gala dinner
Tuesday, 20 September	8:30-17:00	Technical session & Exhibition
	17:00	Conference close

Papers

42 papers covering 6 technical areas were selected for presentation and for the first time the EFEE conference includes two papers selected from a Student Competition. The full list of papers is as follows:

EU Directives and Harmonisation

- Status of New EU-Directives
- EUExNet – A European explosives network
- Authorized rock blaster- the project that revolutionizes the rock blasting industry

Health, Safety and the Environment

- Research on the Safety Standards of Blasting Vibration
- Good Practice Guide for the Safe Storage of Solid Technical Grade Ammonium Nitrate
- Blasting for Environmental Remediation
- Environmentally conscious blasting: Beyond Mine to Mill
- Improvement security in the transport of explosives by road using geolocation technology
- Life Cycle Assessment of a civil emulsion explosive.

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Technical Development

- A Probabilistic Analysis of Measured Levels of Blast Vibration.
- Detonation Calculation of Slurry Explosives
- Blasting Vibration Waveform Prediction Method based on Superposition Principle
- Multiple seed blast vibration modelling for tunnel blasting in urban environments
- The Future of the Detonator
- Development and study of low sensitive and ecologically clean coarsely dispersed explosive
- Advanced techniques for high vibration reduction (up to 75%)
- Development of Electric Discharge Impulse Crushing System
- On loader productivity, rock strength and explosives energy in metal mining
- In situ measurements of detonation pressure and temperature of commercial explosives
- The Importance of Sonicity in Blasting
- Opportunities to optimise project economics through application of digital drill and blast technologies
- A Design of Remote Calibration and Vibration Measurement Platform Based On the Grid Technology
- Processing of submicrometric and nanometric powders by Detonation
- Soft Computing Approach to Evaluate and Predict Blast-Induced Ground Vibration

Shot Hole Development

- Demilitarized Explosives in Fortification of W/O Emulsions
- Effect of sympathetic pressure on energy release characteristic of explosives
- Geomechanical control of jointed rock mass blasting by aligned drilling
- Reaction of Aluminum Particle in Detonation of Emulsion Explosive

Blasting Covering Experiences from Projects

- A model to predict airblast from bench blasting
- The seismic measuring by bench blasting projection in Slovakia quarries.
- Vibrations and Concrete Behaviour
- Evaluation method of the effects of seismic blasting in Maglovec quarry
- Vibration velocities resulting from the use of explosives in different rock masses
- Estimation of Powder Factor and Fragmentation from Blasting based on Rock Mass Properties in some Zones of Sungun Copper Mine
- Blasting 60-meters Underwater in an Environmentally Challenging Environment
- Test blasts and vibration prediction, AVM project Klinthagen Quarry, Gotland, Sweden

Clearance & Decontamination

- Explosive technologies in decontamination areas polluted by military activity

Management Covering Blast Design

- Mathematic Model and Software for the Bench Blasting
- Blast optimisation with impedance matching using surface-wave tomography at an opencast coal mine
- Improved blast results from the implementation of a business intelligence system

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Exhibition

In a great exhibition area some 40 companies will present the latest products, equipment, accessories and technique.

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Social program

During the Conference a program for participants and spouses is arranged, which include sightseeing around the Lisbon area. The beautiful city of Lisbon has a history with more than 800 years of cultural influence together with modern trends. A wide variety of parks, nature and street cafés combined with a pleasant climate makes it a perfect place for the EFEE Conference and the opportunity to meet old friends from all over the world for a couple of days.

Partner Programme Options:

Sunday 19th September	Half Day tour to the Old Lisbon
Monday 20th September	Half Day tour to Sintra Cabo da Roca/Cascais

A great chance to talk with suppliers, designers and manufactures is coming.

Register today on-line at: www.efee.eu

For further information please email: efee@tylerevents.co.uk

Jose Gois, EFEE and James Tyler, Tyler events

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In Memoriam

Danny Jowenko



Danny Jowenko

In remembrance of a fellow blaster and EFEE member who died much too young.

Danny Jowenko was a well known blaster and demolition expert. Danny, 55, died in a car accident close to his home in Netherlands July 16. He was the husband to Ingrid Rijkse and father to his children Nicky and Layla.

The EFEE Board, Council and Members extend our deepest condolences to Ingrid Rijkse and family for their loss.

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New EFEE members

EFEE likes to welcome the following Members who have recently joined EFEE.

Company Members

TITANOBEL

The company manufactures and sells civilian explosives for mines and quarries.

TITANOBEL also proceeds to firing (non-electric, electric and electronic firings), measurements and supply all technical assistances which may be required.

<http://www.titanobel.com>

Greenland School of Minerals and Petroleum, Greenland

Teaching of blasting, mining and offshore in Greenland.

<http://www.sanilin.gl>

Transammonia DMCC, France

Transammonia is an international merchandising and trading company that markets, trades, distributes and transports fertilizer materials, liquefied petroleum gas (LPG), petrochemicals (chiefly aromatics) and methanol.

<http://www.transammonia.com>

Nitro Consult AB, Sweden

Nitro Consult is Europe's largest and most comprehensive blasting consultancy and associated service provider. Descended from Nitro Nobel and now part of Orica Mining Services, they have around 70 specialists covering all aspects of blasting in civil-engineering, mining, construction and demolition.

<http://www.nitroconsult.se>

ATILA INGENIERÍA E.U., Colombia

The company deals with rock blasting in highways, tunneling, demolition concrete building implosion system.

<http://www.implosiondemolicionesatila.com>

Individual Members

Mohamad Razif B. Kemat, TENAGA KIMIA SDN BHD, Malaysia

Francisco Mardones, Geoblast, Chile

Bernardo Zuniga, Tricomín S.A., Chile

François Corlay, DYNAMIC CONSULT MONACO, France

John Simms, ECP, UK

Too Yung Lun, TENAGA KIMIA SDN BHD, Malaysia

Dov Hershkovits, EMI, Israel

Alexandre Antonini, VMA, Brazil

Joseph Miller, MOCAP Inc., USA

Vjceslav Bohanek, UNIVERSITY OF ZAGREB, Faculty of Mining,, Croatia

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InstanTEL partners with Brüel & Kjær to provide Noise & Vibration monitoring services to the Construction Industry

Large infrastructure construction projects take several years to complete and are often located within built-up areas. This can give rise to significant noise and vibration nuisance which, if left unmanaged, can lead to project delays and significantly increased costs. Importantly, excessive vibration from pile driving and other construction activities can lead to damage to nearby property and potential litigation. About the partnership, **Ron Mask**, Sales Manager for InstanTEL said, *“We’re obviously delighted that Brüel & Kjær has chosen InstanTEL and the Minimate PRO4. Brüel & Kjær is synonymous worldwide with high- quality instrumentation and we are very pleased to be associated with them.”* Brüel & Kjær has been active for many years providing noise monitoring solutions to manage noise nuisance around the world and is pleased to announce a partnership with InstanTEL to add vibration monitoring to its Noise Sentinel managed services. *“We’ve chosen to partner with InstanTEL as they have field-proven instrumentation that we can integrate with our established noise monitoring technology to target solutions at the Construction industry,”* said **Phil Stollery**, Product Marketing Manager for Brüel & Kjær Environment Management Solutions. *“Simultaneous noise and vibration monitoring will enable us to deliver unique solutions to the Construction Industry that will help to reduce impact on communities, demonstrate compliance with regulations and manage project risk”* Brüel & Kjær will be jointly exhibiting their solutions at the FMGM 2011, Field Measurement in Geomechanics , September 12 - 16 in Berlin.

About InstanTEL

Since 1982, InstanTEL (www.instanTEL.com), a division of Xmark Corporation, and a member of The Stanley Works has established a leadership position with best of class vibration monitoring equipment for the mining, construction and geotechnical markets. From specialized sensors and recording formats for unique monitoring challenges to real-time histogram data viewing to remote data collection over the internet, InstanTEL continues a history of innovation based on one single driving force – satisfying our customers.

About Brüel & Kjær Sound & Vibration Measurement A/S

Brüel & Kjær (www.bksv.com) is a world-leading manufacturer and supplier of high-quality products and solutions to be used within sound and vibration, structural testing and environmental management. The products and solutions are used within a wide range of industries including automotive, aerospace, consumer goods and telecommunication as well as applications within airport noise, community comfort and building acoustics. The Group has 1100 employees and sales

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offices, distributors and agents in 55 countries. Brüel & Kjær is a subsidiary of UK-based Spectris plc. (www.spectris.com).

Ron Mask, Sales Manager, Instantel , www.instantel.com, ron.mask@sbdinc.com

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**Monitor with confidence
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and Advanced Engineering:**

- Signature Hole Analysis
- Accurate vibration arrival and time measurements
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- Record thousands of events
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- RF and EMI Shielding
- IP67 water resistance
- CE Class B

Never underestimate
the importance
of getting it right
the first time!

Join us at the 6th Annual
**EFEE World Conference
on Explosives and Blasting!**
Lisbon, Portugal - Corinthia Hotel
September 18 -20, Booth 28



Professionals the world over recognize InstanTEL as the most versatile and reliable vibration monitor available. Get it right the first time, get InstanTEL.

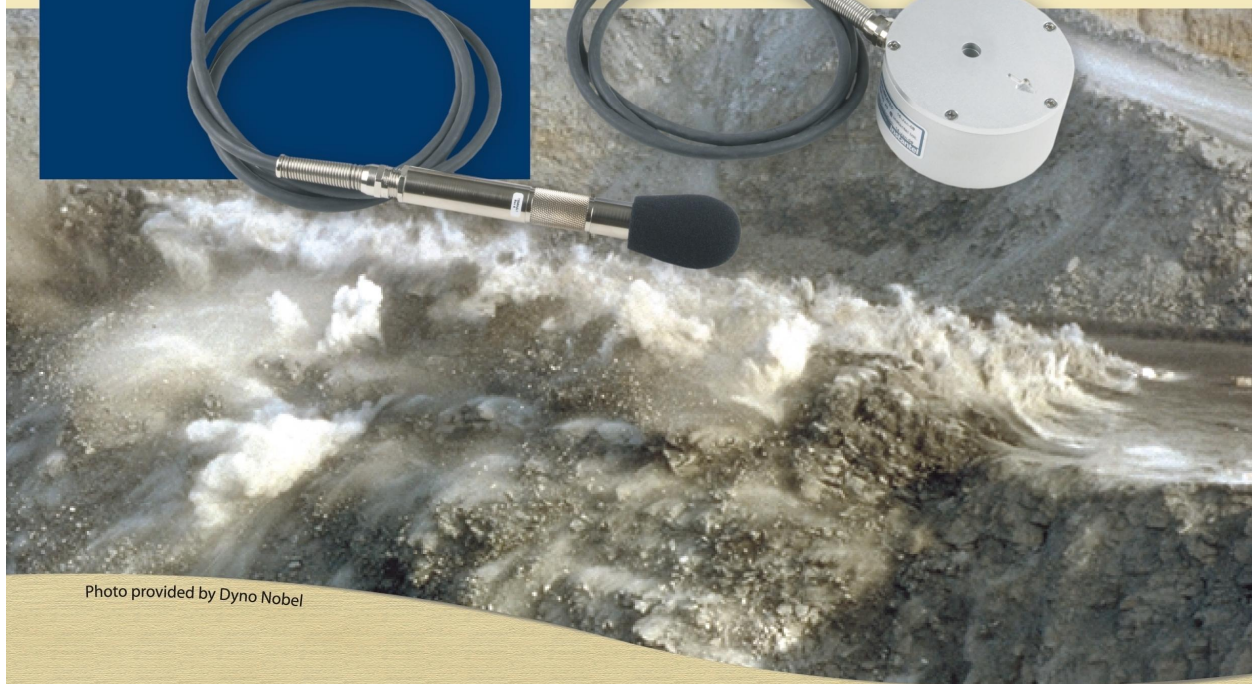


Photo provided by Dyno Nobel

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Phone +46 8 449 97 50, e-mail:info@sigicom.com ,web:www.sigicom.com**

Upcoming events

2011	Sept 11-16	22nd World Mining Congress 2011	Istanbul, Turkey
	Sept 18-20	6th World Conference on Explosives & Blasting	Lisbon, Portugal
	21-sep	The 2nd International Conference on Explosive Education and Certification of Skills	Lisbon, Portugal
	Oct 10	UK National Federation of Demolition Contractors (NFDC) Demolition Day III 2011	Birmingham UK
	Oct 13-15	Third Indian Rock Conference	Roorkee, India
	Nov 8-9	Explo 2011, Blasting Controlled Productivity,	Melbourne, Australia
2012	Feb 12-15	ISEE 38th Annual Conference on Explosives and Blasting Technique	Nashville, USA
	March 10-13	The National Demolition Association's 39th Annual Convention	San Antonio, USA
	May 18-23	Tunnelling and Underground Space for a global society	Bangkok, Thailand
	May 28-30	EUROC 2012	Stockholm, Sweden
	Nov 24-29	FRAGBLAST 10	New Delhi, India

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