



First Announcement and Call for Abstracts

6TH INTERNATIONAL SYMPOSIUM ON ROCKBURST AND SEISMICITY IN MINES

9 – 11 March 2005, Perth, Western Australia



Hosted by
The Australian Centre for Geomechanics

For the first time ever, RaSiM6 and AusIMM's Underground Operators' Conference come together. This 5-day event will see Perth shaking and bursting with excitement as more than 500 local and global mining professionals come together to explore the challenges of accessing deep mining resources. Over 100 state-of-the-art and topical papers from leading experts and top practitioners from throughout the world will be presented during the most innovative and dynamic mining event ever to be held in Australia.



*A unique blend of practical and
state-of-the-art technology*

WELCOME



The First International Symposium on Rockburst and Seismicity in Mines was held in Johannesburg in 1982. This pioneering event initiated a process to exchange views and

disseminate the results of intensive world-wide research activities on rockburst and seismicity in mines. Since then, this successful series of international symposia has presented industry with a means to collectively explore the potential solutions to the "unpredictable" dynamic rock mass response to deep mining activities.

The Rockburst and Mine Seismicity Symposia, held every 4 years, have regularly attracted more than two hundred mining personnel. The ACG is pleased to bring this ground breaking event to Australia for the first time. We look forward to welcoming to the RaSiM6, mine operators, academics, consultants, government organisations, research bodies and suppliers to share their experiences, information and recent developments. Mine seismic specialists and practitioners will present provocative and innovative technical papers that will provide delegates new tools to deal with the challenges of mining in seismically active conditions.

The Symposium seeks to:

- Serve as a platform for transferring knowledge and insight from practitioners to researchers and vice-versa
- Promote fundamental and applied research into the dynamics of the response of rock masses to mining induced stress changes
- Gain improved understanding of seismic source mechanisms in mines
- Gain improved understanding of the mechanics of rockburst damage
- Promote interest in the subject amongst early career researchers and students
- Document the state-of-the-art integration of seismic monitoring and numerical modelling
- Explore seismic risk management strategies

Traditionally, this event is not only well attended by rock mechanics specialists and practitioners, it also attracts a number of experts from diverse backgrounds such as earthquake seismology, structural geology, mining engineering and electrical engineering.

RaSiM6 will take place concurrently with AusIMM's 9th Underground Operators Conference (UGOPS9) to be held at the same venue from the 7th to 9th March 2005. Attendance at these prestigious events will provide you with a unique opportunity to question the 'experts' to find the answers to your particular challenges and also to informally network with others working in this field.

I look forward to welcoming you to Perth.

Yours sincerely,



Yves Potvin

Director

Australian Centre for Geomechanics
RaSiM6 Co-Chairman

Symposium Themes

The technical program will include almost one hundred high quality papers discussing the latest developments, improvements, innovations and operations around the globe. Those responsible for management of rockbursts and seismic hazards will find a multitude of technical sessions applicable to their careers.

General theme – Seismic risks: understanding and controlling seismic hazard

Sub themes:

1) Understanding seismic hazard

- Source models and mechanisms of seismic events and rockbursts
- Fundamental and laboratory experiments
- Large seismic events and induced earthquakes

2) Managing seismic hazard

- Rockburst damage and ground support under dynamic loading
- Instrumentation, monitoring and data analysis
- Integration of seismicity and numerical modelling
- Mine design

3) Case studies

- Underground hard rock mines
- Soft rock
- Open pit



International Advisory and Organising Committee

Barry Brady

The University of Western Australia, Australia

Marty Hudyma (Co-Chairman)

Australian Centre for Geomechanics, Australia

Stanislaw Lasocki

AGH University of Science & Technology, Poland

Ilpo Makinen

Pyhasalmi Mine Oy, Finland

Alexei Malovichko

Russian Academy of Science, Russia

Art McGarr

U.S. Geological Survey, U.S.A.

Hiroshi Ogasawara

Ritsumeikan University, Japan

David Ortlepp

SRK Consulting, South Africa

Yves Potvin (Co-Chairman)

Australian Centre for Geomechanics, Australia

Gerrie van Aswegen

ISS International Ltd, South Africa

Michel van Sint Jan

Catholic University of Chile, Chile

Paul Young

University of Toronto, Canada

CALL FOR PAPERS – SUBMISSION OF ABSTRACTS

Intending authors are requested to prepare and submit their abstracts before 5 April 2004. The abstracts should be limited to less than 500 words and are to provide a general scope of the work, a summary of the results, and the technical significance of the work and applications. They should also include the title, authors, author's affiliation, corresponding author's telephone and fax numbers and e-mail. All written papers will be peer reviewed and published. **Maximum paper length will be limited to 15 pages.**

Please forward your abstract to the Australian Centre for Geomechanics, acg@acg.uwa.edu.au

Key dates

Submission of abstract	5 April 2004
Acceptance of abstract and notification	3 May 2004
Submission of draft paper	2 August 2004
Review comments to author	4 October 2004
Submission of final manuscript	1 November 2004



General Information

The technical program will include comprehensive and highly relevant technical papers emphasising innovation and application of the state-of-the-art technologies by mine operators in their quest to improve mine safety and productivity. There will be a trade show, an active social program and mine site tours at the conclusion of the symposium. Western Australia, in particular Kalgoorlie, is home to extensive underground mining operations.

At RaSiM6, monitoring and equipment and ground support suppliers will be networking with industry operators and key decision makers. This three-day event presents an opportunity to learn of the latest equipment and services that have been developed, and to examine the needs and requirements stemming from individual mine sites.

Time spent visiting the suppliers' stands is an investment toward continuous improvement. As technology evolves rapidly, today's mining professional cannot afford to be left behind.

This event is an ideal platform for mining companies, research organisations, consultancies, suppliers and manufacturers to enhance their presence in the market and position their organisation as one of the leaders in industry. Please contact Josephine Ruddle for information about the trade exhibition and sponsorship opportunities.

[Due to publisher deadlines, late paper submissions will not be accepted.]



Venue

Perth Convention Centre

Perth WA Australia

www.pcecwa.com.au

The Perth Convention Centre will be opened in 2004. It is a state-of-the-art convention facility to be nestled on the shore of the Swan River. The venue will have magnificent views of the city and it's waterlife and will only be a short walk to the Central Business District and Symposium Hotels. Partners and families are most welcome to attend the symposium and the ACG would be pleased to facilitate sight-seeing and tourist activities. For further information about Perth please visit www.tourism.wa.gov.au



AusIMM Underground Operators' Conference

UGOPS9 seeks to provide a forum for underground mining operators from both mining and contracting organisations to present their experiences with real mining issues and their solutions. UGOPS9 will build on the success of the previous conference held in Townsville in 2002 when over 275 local and international delegates attended. For further information about UGOPS9, please contact Miriam Way, AusIMM via email, miriamw@ausimm.com.au or conference@ausimm.com.au





For abstract submission, general enquiries and pre-registration, please contact the symposium coordinator:

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