



International Society for Rock Mechanics

The Current Status of the ISRM



Luís Lamas
ISRM Secretary General

13th ISRM Congress, Montréal, Canada





International Society for Rock Mechanics

Nature of the ISRM

- Non-profit scientific association
- Founded in 1962, in Salzburg, by Prof. Leopold Müller
- The Council represents the National Groups
- The Board, elected by the National Groups, is composed of:
 - the President
 - 6 Regional Vice Presidents
 - the President Elect
 - up to 3 Vice Presidents at Large
 - the Secretary General





International Society for Rock Mechanics

ISRM Council meeting 2015





ISRM

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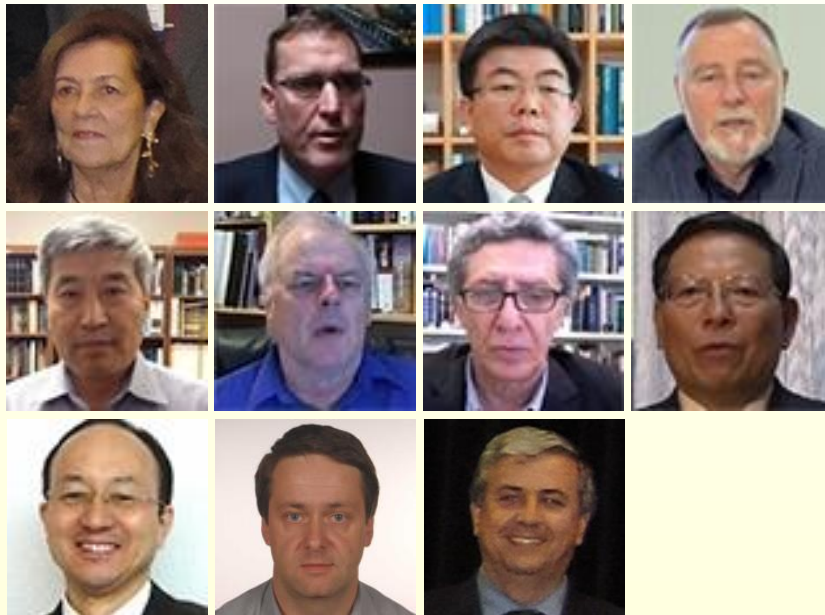
ISRM Board 2011-2015





International Society for Rock Mechanics

ISRM Board 2015-2019



(left to right, top to bottom)

President	Eda F. Quadros
VP Africa	William Joughin
VP Asia	Soekwon Jeon
VP Australasia	Stuart Read
VP Europe	Charlie Chunlin Li
VP N. America	Doug Stead
VP S. America	Sérgio Fontoura
VP at Large	Manchao He
VP at Large	Norikazu Shimizu
VP at Large	Petr Konicek
Secretary Gen.	Luís Lamas





International Society for Rock Mechanics

Field of activities

Rock mechanics and rock engineering:

“is taken to include all studies relative to the physical and mechanical behaviour of rocks and rock masses and the applications of this knowledge for the better understanding of geological processes and in the fields of Engineering.”

Applied to **civil, mining and petroleum engineering** works



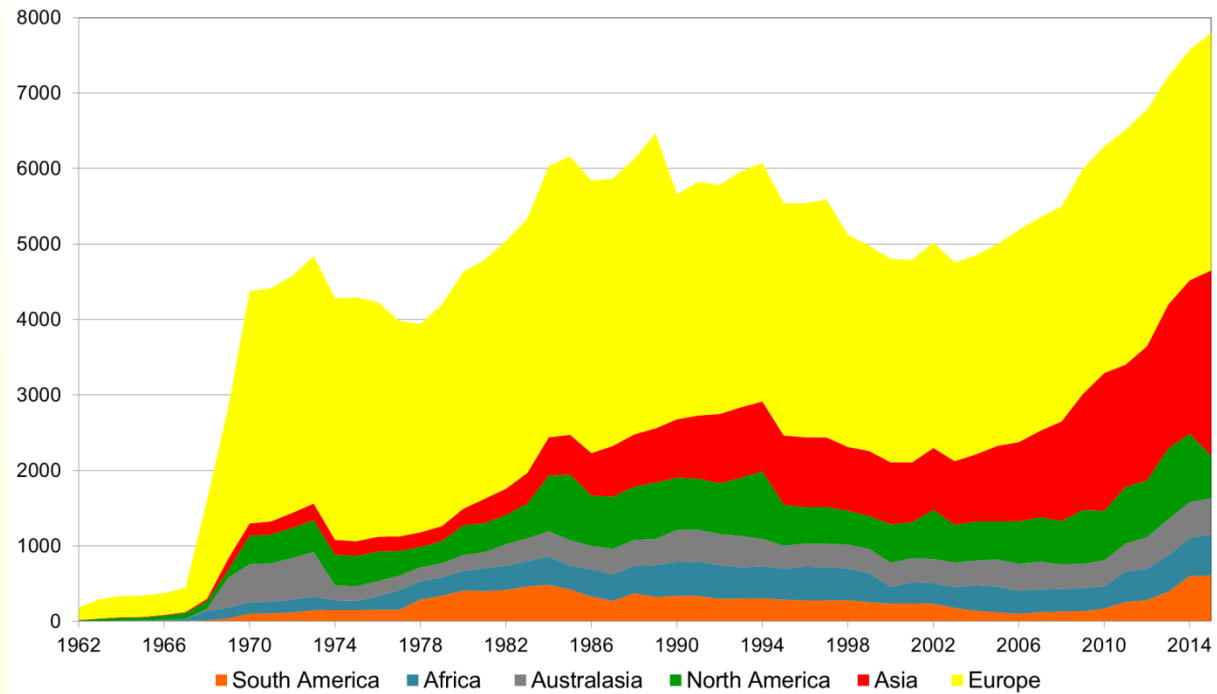


ISRM

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Membership

- 7,797 individual members
- 147 corporate members
- 59 National Groups (new: Ukraine, Romania, Bulgaria, Iceland)





SRM

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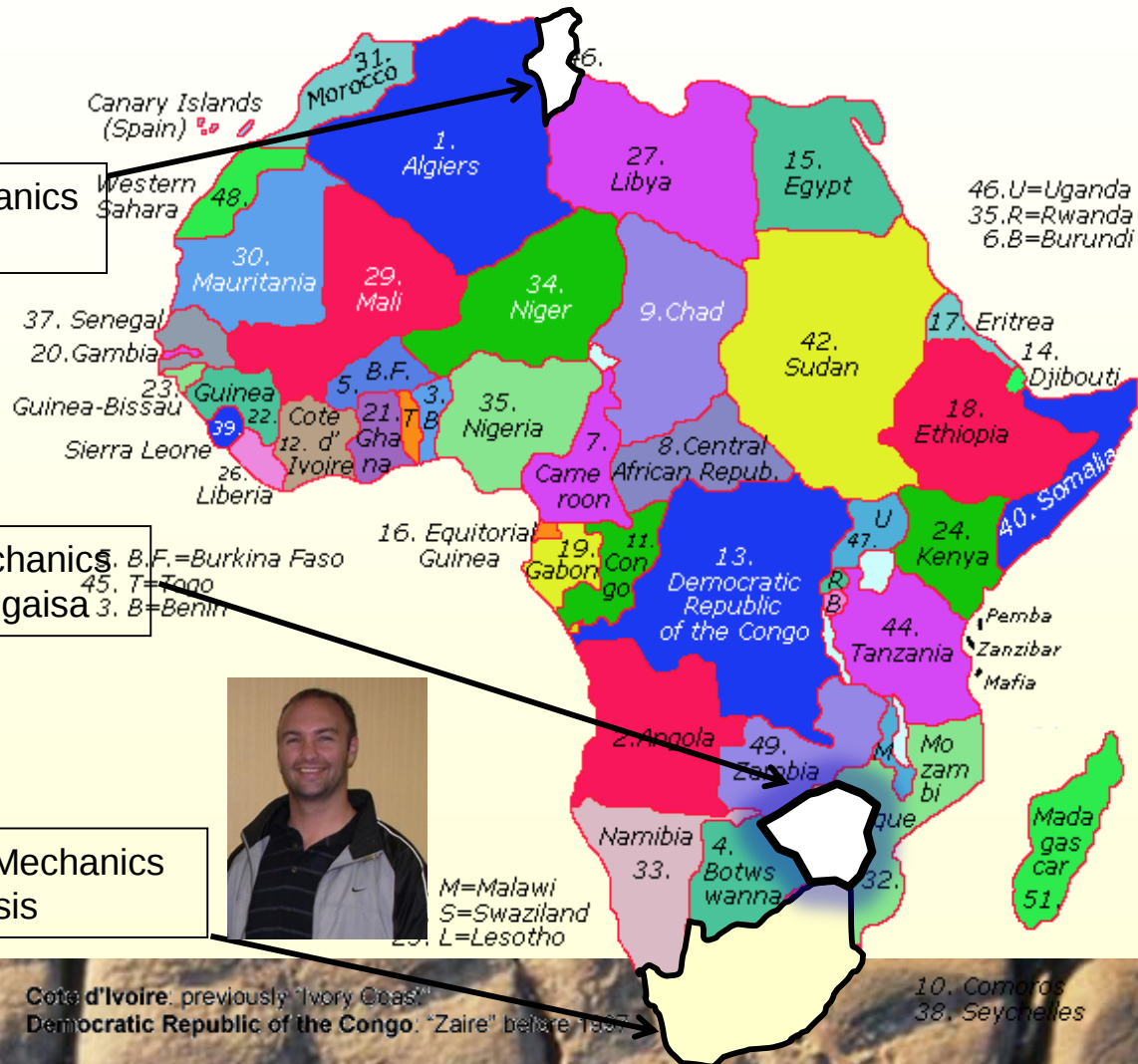
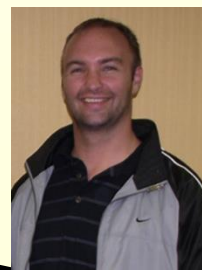


Tunisian Society for Rock Mechanics
President: *Dr. Essaieb HAMDI*



Zimbabwe Society for Rock Mechanics
President - *Mr. Omberai Mandingaisa*

South African Society for Rock Mechanics
President - *Mr. Michael du Plessis*





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National Group Membership

NATIONAL GROUP		2014	2015
CHINA		1060	1422
SOUTH AFRICA		516	527
AUSTRIA		379	383
BRAZIL		371	371
USA		680	370
JAPAN		333	346
UNITED KINGDOM		321	344
GERMANY		327	326
AUSTRALIA		303	314
SPAIN		255	277





International Society for Rock Mechanics

Conferences

International Congresses: – 2015, Montréal, CANADA
at four years interval – 2019, Foz de Iguaçu, BRAZIL

International Symposia: – 2016, Cappadocia, TURKEY
yearly – 2017, AfriRock, Cape Town, S AFRICA

Regional Symposia: – Eurock 2015, Salzburg, AUSTRIA
– SARMC 2015, Buenos Aires, ARGENTINA
– ARMS9 2016, Bali, INDONESIA
– Eurock 2017, Ostrava, CZECH REP.
– ARMS10 2018, Singapore





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Conferences

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Specialized Conferences:

- GeoProc2015, Salt Lake City, USA
- Vietrock2015, Hanoi, VIETNAM
- Shale Gas 2015, Wuhan, CHINA
- 4th Workshop on Volcanic Rocks and Soils 2015, Ischia, ITALY
- 7th In-Situ Rock Stress Symposium 2016, Tampere, FINLAND
- Recent Advances in Rock Engineering 2016, Bangalore, INDIA
- GeoSafe 2016: Reducing Risks in Rock Engineering, Xi'an, CHINA
- Rock Mechanics and Rock Engineering Innovation, BRAZIL





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17 Technical Commissions 2015-2019

- Radioactive Waste Disposal
- Preservation of Ancient Sites
- Crustal Stress and Earthquakes
- Rock Engineering Design Methodology
- Petroleum Geomechanics
- Underground Research Laboratories
- Sub Sea Tunnels
- Application of Geophysics to Rock Engng
- Underground Nuclear Power Plants
- Testing Methods
- Education
- Rock Dynamics
- DDA
- Soft Rocks
- Hard Rock Excavation
- Grouting
- Eurocode 7





International Society for Rock Mechanics

Awards

Müller Award

- awarded once every four years,
- in recognition of distinguished contributions to the profession of rock mechanics and rock engineering
- **Prof. John Hudson** was selected by the ISRM Council in Sapporo to receive the **2015 Müller Award**.
- The **Müller Lecture** is delivered at the Congress.





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Awards

Rocha Medal

- awarded annually
- for an outstanding doctoral thesis, as a result of a worldwide competition
- **2016 Rocha Medal:** **Chia Weng Boon**, Malaysia
- **Runner-up certificates:** Silvia Duca, Italy
Qianbing Zhang, China
- **Submissions for the 2017 Medal open until 31 December 2015**





International Society for Rock Mechanics

Communication

News Journal

- news of the Society and technical articles
- distributed by email to all ISRM members
- digital version available on the website





International Society for Rock Mechanics

Communication

E-Newsletter

- 4 issues per year, by e-mail
- is sent automatically to:
 - ISRM members
 - subscribers
- **contributions are welcome**, with short news of general interest



International Society for Rock Mechanics

newsletter

To avoid future email messages from ISRM being blocked by anti-spam software, be sure to add webmaster@isrm.net to your list of allowed senders and contacts. If this newsletter does not display correctly, please open this link on your browser: http://www.isrm.net/adm/newsletter_server_isrm.php?tid_newsletter=108&vie=1

No. 29 - March 2015

Contents

- The 13th International Congress on Rock Mechanics / ISRM Congress 2015
- RockBowl 2015 game during the 13th ISRM Congress in Montréal: register your team until 15 April
- Online Rock Mechanics Glossary is now on the ISRM website
- "Risk in rock engineering design and practice": the 9th ISRM online lecture by Prof. Dick Stacey
- Election of the Regional ISRM Vice Presidents 2015-2019
- Volume 17 - December 2014 of the ISRM News Journal is now online
- Seven countries from south-eastern Europe joined the ISRM
- China Shale Gas 2015, Wuhan, China, 6-8 September 2015
- Workshop on Volcanic Rocks & Soils, 24-25 September 2015, Isle of Ischia, Italy
- ISRM Symposium EUROCK2015 and 64th Geomechanics Colloquium
- VIII South American Congress on Rocks Mechanics, 15-18 November 2015, Buenos Aires, Argentina
- Invitation to RS2016 in Tampere: the 7th International Symposium on In-Situ Rock Stress
- ISRM sponsored meetings
- VIETROCK2015 held in Hanoi, Vietnam, 12-13 March 2015
- Journal of the ISRM National Group of India

The 13th International
ISRM CONGRESS 2015

In conjunction with the **CIM Convention 2015**

Palais des congrès de Montréal, Québec, Canada • May 10 to 13, 2015



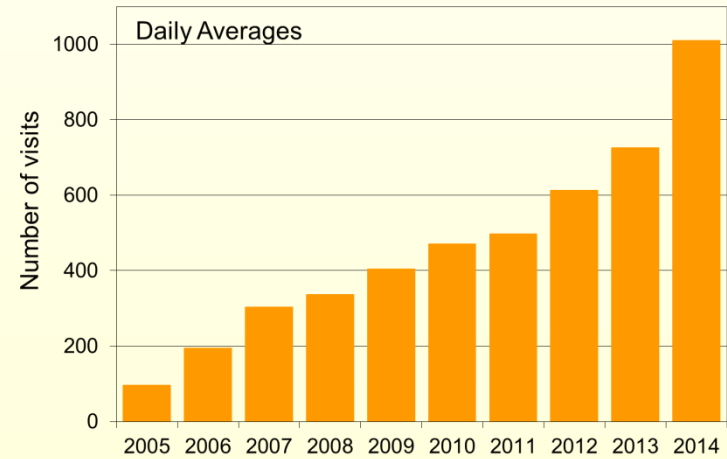
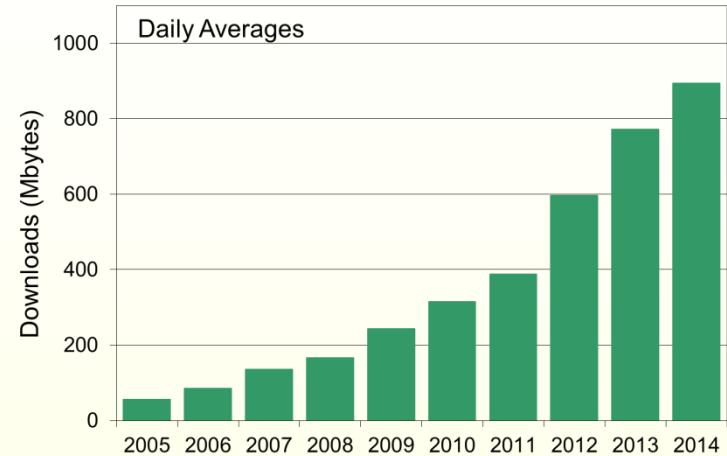
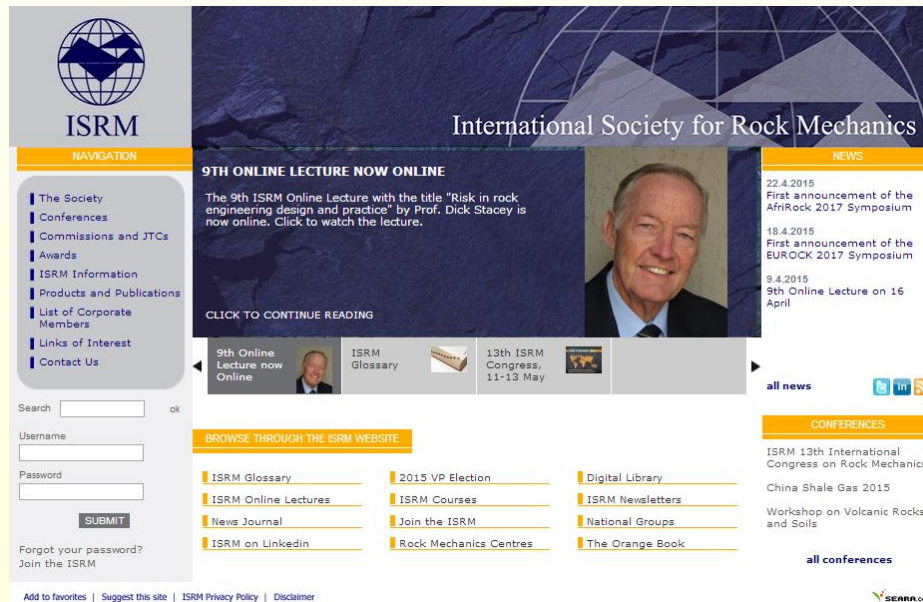


International Society for Rock Mechanics

Communication

Website

www.isrm.net





ISRM

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ISRM Online Lectures

- 8th Lecture, December 2014 – **Prof. Resat Ulusay**, Turkey
Rock characterization, testing and monitoring: highlighting the ISRM Suggested Methods
- 9th Lecture, March 2015 – **Prof. Dick Stacey**, South Africa
Risk in rock engineering design and practice
- 10th Lecture, July 2015 – **Prof. Jean Sulem**, France
Multi-physics couplings and stability of fault zones
- 11th Lecture, September 2015 – **Dr. Nick Barton**, Norway
TBM Performance: from Best to Not so Good and Why?
- 12th Lecture, 12 November 2015 – **Prof. Ove Stephansson**, Germany
Rock Stress and Stress Fields





International Society for Rock Mechanics

Publications



ISRM Digital Library

- in cooperation with the Society of Petroleum Engineers
- currently 6,900 papers, 49,000 pages,
from 35 ISRM sponsored events since 1966
- free downloads per year: - 100 papers for ISRM individual members
- 250 papers for ISRM corporate members

www.onepetro.org





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Communication



ISRM page

to help disseminate ISRM news to a broad audience of Rock Mechanics professionals.



Look for @IntSocRockMec

add us to your Twitter feed and don't miss any news.

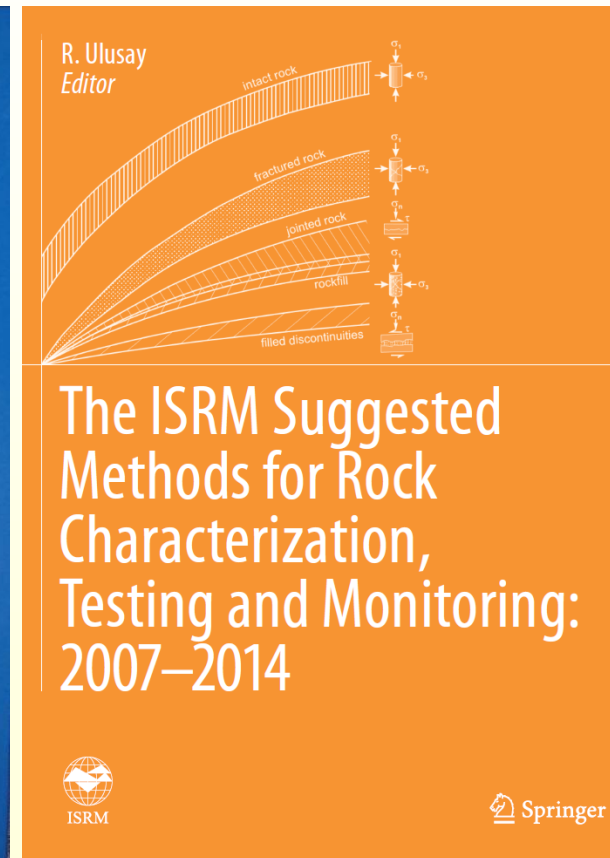
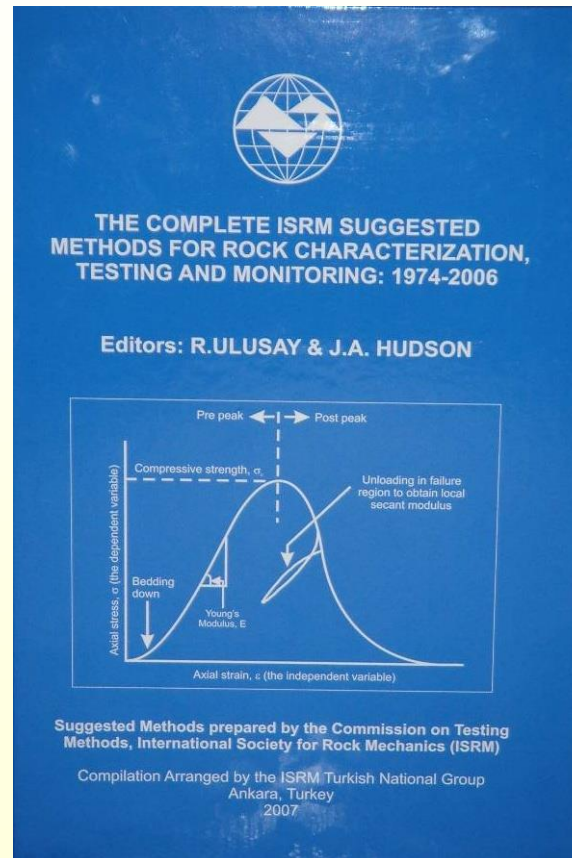


Publications

Suggested Methods

“Orange Book”
launched last
October in Sapporo.

Very reduced price
for ISRM members.





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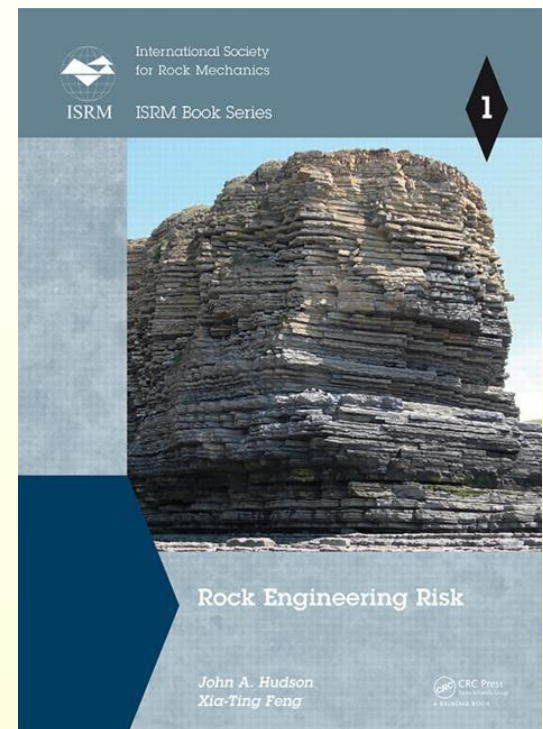
Recent developments

1st book of the ISRM book series

Rock Engineering Risk

by John A. Hudson and Xia-Ting Feng

launched in 2015 during the Congress





International Society for Rock Mechanics

Recent developments

- Multilingual rock mechanics glossary with 1,000 words.
- 11 languages available. More will be added soon.

Select the original language: Chinese ▼ Search the term: SEARCH

●●● [Click to go back to a new search](#)

Language	Translation
English	axial stress
Chinese	轴向应力
Italian	tensione assiale
Japanese	軸応力
Korean	축방향을력
Persian	تنش محوری
Russian	осевое напряжение
Turkish	eksenel gerilme



International Society for Rock Mechanics

ISRM Information

For information on the ISRM:

- visit the Website,
- contact your National Group,
- contact the ISRM Vice President of your region, or
- contact the Secretary General (secretariat@isrm.net)





ISRM

International Society for Rock Mechanics

Congress 2015 SA Presenters and (Co-Authors)

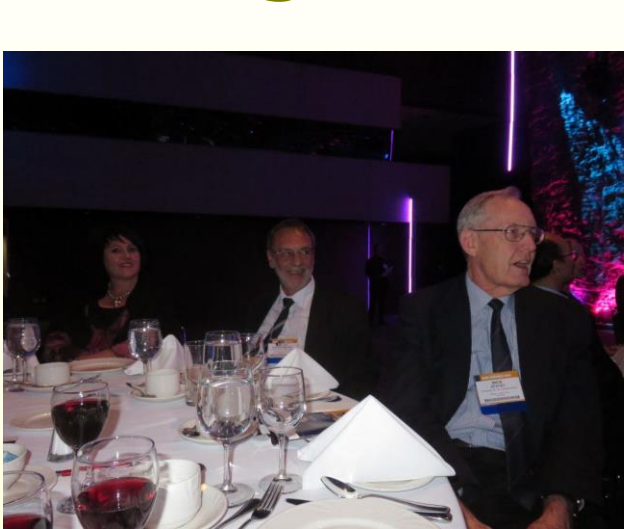
- Francois Malan (Keynote lecture)
- [Jaco le Roux \(Dick Stacey\)](#)
- Markus Mathey x 2 (Nielen vd Merwe)
- Michael du Plessis x 2 (Francois Malan, [Alida Hartzenberg](#))
- Dick Stacey (M. Rizwan)
- Jannie Maritz
- Kevin Brentley
- Koos Bosman (Les Gardner)
- Halil Yilmaz (G. Oniyide)





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Congress 2015

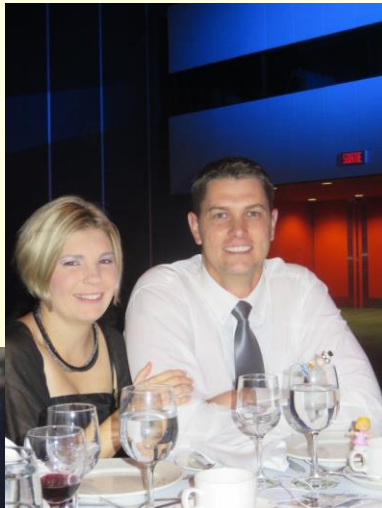




ISRM

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Congress 2015





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Congress 2015 Rockbowl

