

Friday, 02 November 2018 - All Happening at SUNTEC Level 3!

Symposium Registration: 08:00 - 16:00

ARMS10 Exhibition: 08:30 - 15:30 (Summit 1)

PLENARIES: ISRM FRANKLIN AWARD & KEYNOTES: 08:30 - 10:15 (Summit 2)

ISRM Franklin Award & Lecture

Session Chair: Eda Freitas de QUADROS

"Thermal-Hydraulic-Mechanical-Chemical Couplings that Define the Evolution of Flow and Transport Behavior in Fractured Rocks"

[Hide YASUHARA](#), Ehime University, Japan

Session Chair: Sergio FONTOURA

Keynote 4: "Rock Fracturing by Low Power Microwave Treatments – Observation, Mechanism and Application"

[Jian ZHAO](#), Monash University, Australia

Keynote 5: "The Roles of Higher-Frequency Waves in "Unexpected" Problems of Earthquakes"

[Koji UENISHI](#), The University of Tokyo, Japan

AM Break: 10:15 - 10:45 (Summit 1)

ORAL SESSIONS: 10:45 - 12:30 (Level 3 Meeting Rooms)

Summit 2	MR325	MR324	MR326
Yingxin ZHOU Maurice DUSSEAULT	Xinmei AN Wen NIE	Petr KONICEK William JOUGHIN	Junlong SHANG Zhihong ZHAO
A7: Rock Property and Rock Mass Characterization	D3: Rock Tunnel and Caverns	G3: Site Investigation and Monitoring	H2: Smart Technologies in Mining and Rock Engineering
122	158	435	216
160	318	165	498
26	196	50	329
513	146	422	499
468	64	170	124
161	157	375	9
		200	

Lunch Buffet: 12.30 - 13:30 (Nicoll)

ORAL SESSIONS: 13:30 - 15:30 (Level 3 Meeting Rooms)

Summit 2	MR325	MR324	MR326
Rini Asnida ABDULLAH Oskar SIGL	Shinichi AKUTAGAWA Wulf SCHUBERT	Jian ZHAO Roberto LUIS	Jianchun LI Bjorn NILSEN
I2: Special Applications and Case Studies	D4: Rock Tunnel and Caverns	B3: Rock Dynamics	E3: Numerical Modelling and Design Methodologies
133	30	268	1
396	117	381	482
73	145	414	120
184	191	558	300
29	224	141	441
480	316	296	567
	190	34	

PM Break: 15:30 - 16:00 (Summit 1)

Poster Teardown: From 16:00, Latest by 18:00

KEYNOTES, AWARD PRESENTATION & CLOSING CEREMONY: 16:00 - 18:00 (Summit 2)

Session Chair: Doug STEAD

Keynote 6: "Rock Mechanics and Rock Engineering in Singapore"

[Zhiye ZHAO](#), Nanyang Technological University, Singapore

Keynote 7: "Failure of Anisotropic Rocks such as Shales, and Implications for Borehole Stability"

[Robert ZIMMERMAN](#), Imperial College London, United Kingdom

Award Presentation & Closing Ceremony

Presentation of the 2019 ISRM International Congress