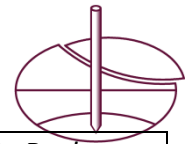




**ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE**

Your Name: Akshay Kumar	Your Organization: Indian Institute of Technology Kanpur, Uttar Pradesh, India	Date of report: September 25, 2022
Conference Title: EUROCK 2022 (Rock and Fracture Mechanics in Rock Engineering and Mining)	Location of Conference: Espoo, Helsinki, Finland	Dates of Conference: September 12-15, 2022
What you learned: The conference had four keynote lectures from the leading rock mechanics researchers and over 130 oral presentation and over 40 poster presentations covering a wide range of topics related to Rock and Fracture Mechanics in Rock Engineering and Mining. The conference also covered some high level basic research from many academicians. Particularly, Keynote lecture given by Prof. John Harrison on implementation of Eurocode -7 in rock mechanics was inspiring and gave directions for further research in the field. The conference helped me a lot in understanding the recent trends in probabilistic approaches for stability and design analysis of rock structures, rock mass characterization, geophysics in rock mechanics, mechanics of rock joints, jointed rock mass behaviour, rock support, rock stress measurements, constitutive modelling of rock, rock drilling, blast induced fractures, rock engineering and mining education, geological disposal of spent nuclear fuel, recent advances in rock mechanics research, field and laboratory investigations. Being a PhD student focused in reliability-based design in rock mechanics, this conference was very useful since it gave me opportunity to meet many experts and professors. I got many useful suggestions regarding my PhD work as well as future course of the research.		
People you met: Prof. John Harrison - University of Toronto, Canada Prof. Leandro R. Alejano - University of Vigo, Spain Prof. Daniele Martinelli - Politecnico di Torino, Italia Prof. Gessica Umili - University of Turin, Italy In addition to the list, I met many professors and students from different countries.		
Main features of conference: The EUROCK conference is an eminent conference and is attended by geotechnical engineers from all over the world. Eurock 2022 conference was an ISRM Regional Symposium. The conference had four keynote lectures from the leading rock mechanics researchers and over 130 oral presentations with four parallel sessions dedicated to different themes. The themes covered almost all major fields of rock mechanics such as recent advances in rock mechanics research, field and laboratory investigations, mechanics of rock joints, rock mass characterization, rock drilling rock support etc. The conference day started with keynote lectures followed by poster and oral presentation. It also offered short courses and workshops, technical visits and awards for the researchers. Exhibitors at the conference comprised of Geomechanica, Itasca, Rocscience Inc and many others.		
Your comments on the conference:		



The theme of the EUROCK 2022 conference was *Rock and Fracture Mechanics in Rock Engineering and Mining*. The lectures and presentation covered all major topics of rock mechanics pertaining to civil and mining engineering. The conference was very well organized with several high quality papers being orally presented and few others put up on poster display. Overall the conference was a great learning experience and I would like to thank the organizers for giving me opportunity to present my work. My special thanks to “ISSMGE Foundation” for helping me attending this conference and meeting the experts of probabilistic geotechnical engineering field.

Please attach short report (maximum 400 words) suitable for publication in the ISSMGE Bulletin:

Eurock 2022 - Rock and Fracture Mechanics in Rock Engineering and Mining - an ISRM Regional Symposium, Sept 12-15, 2022 Helsinki Finland

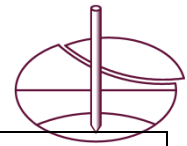
The conference was organized by Finnish Association of Civil Engineers RIL. The symposium was chaired by Lauri Uotinen. The themes of the conference were rock mass characterization, geophysics in rock mechanics, mechanics of rock joints, jointed rock mass behaviour, rock support, probability-based design, rock stress measurements, constitutive modelling of rock, rock drilling, blast induced fractures, rock engineering and mining education, geological disposal of spent nuclear fuel, recent advances in rock mechanics research, field and laboratory investigations etc. The conference began on 12th Sept by one day of short courses.

The opening ceremony was held on morning of 13th Sept at Dipoli, Aalto University, Espoo. The conference started with a speech from chairman followed by keynote lectures from - Sanna Mustonen and Caroline Darcel on topics of ONKALO® - the game changer in nuclear energy and input of discrete fracture network methodology in rock mechanics applied to the Swedish nuclear waste disposal program, respectively. Rest of the day comprised of four parallel oral presentation sessions on different topics and three poster sessions.

Third day began by keynote lectures by Michael Di Giovinazzo and Prof John Harrison on the topics of practical application of rock engineering techniques in mine planning and operations – from characterisation to Implementation and is Eurocode 7 the future of rock engineering, respectively. Rest of the day comprised of four parallel oral presentation sessions on different topics and three poster sessions. The day concluded with the closing ceremony which included talks from chairman, Prof. Leandro R. Alejano – vice president of ISRM for Europe. This was concluded by the award ceremony for the best paper award presented at the conference. Final day of the conference was comprised of some full day and half day excursions and field visits.

The conference had 4 keynote lectures and around 130 papers were selected for oral and 40 poster presentations. The topics of presentation sessions included recent advances in rock mechanics research, field and laboratory investigations, mechanics of rock joints, rock mass characterization, rock drilling rock support and special case studies. All the sessions were observed by a good gathering of people who shared new ideas and asked questions to the presentee as a constructive criticism. Breaks were given to explore the posters and exhibitions on all the days. The conference schedule was maintained on time. Participation in the conference was from both academics and practising engineers.

Photographs from Conference:



Inauguration of the conference



Photo with Prof Leandro R Alejano



Presenting my article