



Scientific Workshop on Mining & Post-Mining Seismicity

PROGRAM

Wednesday September 20

Welcome and opening	08:00 - 08:30	Registration & Welcome
	08:30 – 08:40	Opening Speech by S. Dineva (LTU), B. Orlecka (IGPAS)
	08:40 – 09:00	Opening Speeches by EPOS-Sweden and PostMineQuake project representatives
Morning session Convener: Emmanuelle Klein	09:00 – 09:30	Induced seismicity in Kiirunavaara mine – overview and challenges by <u>C. Dahner</u> and S. Dineva
	09:30 – 10:00	Study of mining induced seismicity with various observation techniques (EPOS-MUSE 2 episode, Upper Silesia, Poland) by <u>G. Mutke</u> & A. Kotyrba
	10:00 – 10:30	Coffee Break
	10:30 – 11:00	Bringing new knowledge on the mechanics of deformation and on seismic hazard inside in Garpenberg mine using innovative optical instruments by <u>J. Kinscher</u> & P. Bernard
	11:00 – 11:30	Passive Tomography results for mines in Sweden (Kiirunavaara and Garpenberg mines) by <u>N. Piana Agostinetti</u> , S. Dineva, G. Taylor, A. Tryggvasson
	11:30 – 12:00	Aftershock study of the larger seismic events in Kiirunavara and Malmberget mines (Sweden) by <u>D. Gospodinov</u> , K. Jonsson, C. Dahner, S.Dineva
	12:00 – 13:00	Lunch
Afternoon session Convener: Christina Dahner	13:30 – 14:00	Study of surface deformations in the area of post-mining seismicity (case study, Upper Silesian Coal Basin, Poland) by <u>V. Sokoła-Szewioła</u> , Z. Siejka & M. Pomykoł
	14:00 – 14:30	Case study of the post-mining seismicity of the former coal basin of Gardanne (France) by <u>I. Contrucci</u> , J. Kinscher, S. Cesca, P. Niemez & P. Dominique
	14:30 – 15:00	Post-mining seismicity during flooding of coal Kazimierz-Juliusz mine, Poland by <u>A. Kotyrba</u> & G. Mutke
	15:00 – 15:30	Coffee Break
	15:30 – 16:00	Relation Between Seismicity and Stress Changes in Underground Mine: From Research Challenges to Practical Tools (Vinnova Project for Four Mines in Sweden) by <u>S. Dineva</u> and C. Dahner
	16:00 – 16:30	3D Elastodynamic Modelling Applied to Complex Blasting Problems by <u>L. Linzer</u>
	16:30 – 17:00	Initial experience with the newly created system for monitoring the dynamics of surface changes during the transition to the post-mining phase by <u>V. Kajzar</u> & E. Jirankova
	19:00	Social Diner



Scientific Workshop on Mining & Post-Mining Seismicity

PROGRAM

Thursday September 21

<i>Morning Session</i>	08:30 – 11:30	EPOS and EPOS AH (Anthropogenic Hazards Platform) presentation
		Overview & training session
		Examples of using EPOS AH platform for solving problems in mines (e.g. Lukasz/Savka)
		Presentation of new episodes
	11:30 – 13:00	Lunch Break
<i>Afternoon Session</i>	13:00 – 16:00	Round Tables (challenges and important issues to be studied)
		Mining-induced seismicity Post-mining seismicity
	16:00 – 17:00	Discussion, conclusions and closing

Friday September 22

<i>Site Visit</i>	06:30 – 17:00	Malmberget Mine (LKAB) Departure from Quality Hotel, 17 Storgatan, Luleå
-------------------	---------------	--

Contact & information: sdineva@ltu.se, phone:+46-72206-8087

Venue: Lulea University of Technology (LTU) - Sweden, University Campus, Porsön