

Applied Detonation Physics and Blast Modelling, Lulea (Fragblast course): 8-10 June 2018 <i>http://www.csc.cam.ac.uk/academic/shortcourses/det2018</i>			
	Friday 8 th June	Saturday 9 th June	Sunday 10 th June
09:00 - 10:00	Introduction to the University of Lulea, Swebrec and the three day course DJ	Fragmentation by Blasting Formulae: A review JS	CFD: Numerical Methods for Compressive Reactive Flow SAEGF
10:00 - 11:00	Introduction to Shock Physics WGP	Fragmentation Theory: The Energy Fan FO	Multi-Physics Modelling at LSC, University of Cambridge NN
11:00 - 11:20	Coffee/ Tea	Coffee/Tea	Coffee/Tea
11:20 - 12:20	Introduction to Detonation WGP	The Swebrec Distribution FO	Multi-Physics Modelling for Mining and Defence Industries LS
12:20 - 13:20	Lunch	Lunch	Lunch
13:20 - 14:20	Ideal Condensed Phase Detonations MB	Fragmentation for Quarry Blasting: A Field Study FO	Studies at FOI/ Lulea DJ
14:20 - 15:20	Non-ideal detonation modelling (historical) MB	Technologies for Measurement of Fragmentation by Blasting JS	Studies at the Shock Physics Institute, Imperial College WGP
15:20 - 15:40	Coffee/ Tea	Coffee/ Tea	Coffee/ Tea
15:40 – 16:40	Overview of Detonation Modelling applied to Heterogeneous Explosives LM	Size Distribution Functions: Which One Represents Rock Fragments? JS	Round-up/ Open Forum and tour of University of Lulea facilities
16:40 – 17:40	Ideal Code demonstration/ workshop MB	xP-frag: A Fragmentation Prediction Formula based on dimensional analysis and calibrated with sieve data JS	

Lecturers: MB (Martin Braithwaite, Cambridge), DJ (Daniel Johansson, Lulea), SAEGF (Sam Falle, Leeds), NN (Nikos Nikiforakis, Cambridge), LM (Louisa Michael, Cambridge), WGP (Bill Proud, Imperial College), FO (Finn Ouchterlony, Leoben), JS (Jose Sanchidrian, Madrid).