

| | 18 th of July Tuesday | 19 th of July Wednesday: Scientific fundamentals in high pressure | 20 th Thursday: Experimental methods | 21 st Friday: Experimental methods | 22 nd Saturday: Quantum mechanical calculations | 23 rd Sunday: AIRAPT starts |
|-------------|---|---|---|--|---|--|
| 09:00-10:00 | | Thermodynamics 1 Graeme Ackland | Solid state physics Ingo Loa | High pressure and high temperature Tetsuya Komabayashi | what one can extract and expect from theory Andreas Hemann | 27 th : Reception for the SUPA and SUPPS summer school students at the AIRAPT. There top researchers of the field will be invited to have open discussions with students. Senior researchers to attend will be chosen based on the scientific interests of the students attending the school. |
| 10:00-10:30 | | Coffee | Coffee | Coffee | Coffee | |
| 10:30-11:30 | | Thermodynamics 2 Graeme Ackland | Solid state physics Ingo Loa | engineering for high pressure experiments Cryostats Konstantin Kamenev | density functional theory Andreas Hermann | |
| 11:30-12:30 | | Crystallography John Loveday | Raman Miriam Pena-Alvarez | Electrical/magnetic measurements Andrew Huxley | Molecular dynamics Miguel Martinez Canales | |
| 12:30-13:30 | Registration coffee | Lunch | Lunch | Lunch | Lunch | |
| 13:30-14:30 | Introduction Miriam Pena-Alvarez | Workshop | Workshop | Workshop | Poster session presentation. There will be a prize to the best poster | |
| 14:30-15:30 | Static compression Ross Howie | X-ray diffraction Simon Parsons | IR spectroscopy Francesco Capitani | Dynamic compression Stewart McWilliams | Excursion to Stirling. | |
| 15:30-16:00 | coffee | Coffee | Coffee | Coffee | | |
| 16:00-17:00 | High Volume Pressure Elena Solana | X-ray diffraction Dominique | Thomas Meier NMR | Synchrotron characterization methods 1 Hanns-Peter Liermann | | |
| 17:00-18:00 | Welcome Reception at CSEC. Posters will be handed and they will have time to discuss BBQ | Experimental examples of phase diagrams: Mikhail Kuzovnikov | Neutrons and liquids Cip Pruteanu | Synchrotron characterization methods 2 Sakura Paskarelli | | |
| 18:00-18:45 | | Research discussions with refreshments | Research discussions with refreshments | Research discussions with refreshments | | |
| 19:00-20:00 | | Dinner | Dinner | Dinner | Dinner in CSEC | |
| 20:00-21:00 | | | | | Ceiliadh -20:00 til 23:00 | |

High pressure summer school: SUSSP 78

Confirmed lectures:

Prof. Graeme Ackland

Dr. Ross Howie

Dr. John Loveday

Dr. Ingo Loa

Prof. Konstantin Kamenev

Dr Stewart McWilliams

Prof. Simon Parsons

Dr. Dominique Laniel

Prof. Andrew Huxley

Prof. Andreas Hermann

Dr. Miguel Martinez Canales

Dr. Thomas Meier

Dr. Miriam Peña-Alvarez

Dr. Hanns-Peter Liermann

Dr. Sakura Paskarelli

Dr. Francesco Capitani

Dr. Elena Solana

Dr. Cip Pruteanu