



<b>8:30 am</b>	<b>Registration</b>	<b>Inc. tea &amp; coffee, Room 229, Gregory Building, Lilybank Gardens</b>
9:00 am	Dr. Luke Daly	Welcome and Programme overview
	<b>What is atom probe tomography?</b>	
9:15 am	Prof. Julie Cairney	An Introduction to atom probe tomography - <i>An overview of how the technique has developed from invention to the present day how it works and the type of information you can acquire.</i>
10:00 am	Dr. Paul Bagot	Atom probe tomography in Geology - <i>A brief overview of the keystone geological applications of the atom probe technique.</i>
10:30 am	Dr. Luke Daly	Atom probe tomography in Planetary Science - <i>A brief overview of the keystone planetary science applications of the atom probe technique.</i>
11:00 am	<b>Tea break</b>	
	<b>New developments in sample preparation and transfer</b>	
11:30 pm	Dr John Halpin	FIB techniques for atom probe sample preparation - <i>An overview of the FIB sample preparation methods that can be used to generate atom probe samples.</i>
12:00 am	Dr. Ingrid McCarroll	Laser ablation techniques for atom probe sample preparation - <i>An overview of Laser ablation sample preparation methods that can be used to generate atom probe samples.</i>
12:15 pm	Dr. Ingrid McCarroll	Cryo and Vacuum transfer - <i>An approach for cold sample transfer under vacuum from preparation to analysis to minimise contamination of atom probe samples particularly important for volatile species.</i>
12:45 pm	<b>Lunch (provided)</b>	<b>Room 229</b>
	<b>Applications of atom probe tomography</b>	
14:00 am	Prof. Julie Cairney	Correlative microscopy - <i>How atom probe tomography fits into a characterisation pipeline across multiple spatial length scales.</i>
14:30 pm	Dr. Lee White	Isotopes stable and unstable - <i>An introduction into the current best practice for acquiring robust isotopic information from atom probe tomography datasets.</i>
15:00 pm	Dr. Luke Daly	Gone without a trace - <i>Trace abundances of elements in geological data sets what is possible and how to robustly identify them</i>
15:30 pm	<b>Tea break</b>	
15:45 pm	Dr. Paul Bagot	The challenges of Hydrogen measurements - <i>The trials and tribulations of measuring Hydrogen in the atom probe, as well as potential solutions.</i>
16:15	Dr. Lee White	At the interface - <i>Measuring boundaries and other nanoscale structures by atom probe</i>
16:45	Dr. Paul Bagot	Atom probe reaction cells - <i>An introduction to atom probe reaction cells and how they might be used to replicate solar system processes at the nanoscale</i>
17:15 pm	<b>Chair:</b> Luke. <b>Panel:</b> Julie, Ingrid, Paul, Lee.	Future applications of APT to planetary research <i>Discussion on the atom probe technique this is a forum to discuss project ideas and ask questions of our expert panel on how the atom probe technique can help you research.</i>
18:00	<b>Evening Social (optional)</b>	An area has been reserved at <a href="#">Hillhead Book Club</a> for a networking/mentoring dinner and drinks. Afterwards will be heading to <a href="#">Park Bar</a> for drinks and live music. All are welcome.