

	Monday	Tuesday	Wednesday	Thursday	Friday
	Opening				
9:00 - 10:00	M.Q. Ren	J. L'Écuyer	J.M.C. Brown	S. Huotari	M. Strobl
	K. Noda		M. Mayer	C.O. Bacri	A. Bosser
	C. Santos	S. Eschbaumer	M. Kokkoris	M. Fonseca	T. Zhang
10:00 - 11:00	R.P. Webb	T. Sajavara	G. Tervagne	V. Alarcon-Diez	Coffee
	Coffee	Coffee	Coffee	Coffee	C. Leynes
11:00 - 12:00	A. Javanainen	C. Pacheco	J. Meersschaut	Z. Siketić	Concluding remarks
	L.C. Feldman	L. Beck		T. Seki	Closing
	S. Akhmadaliev	I. Bogdanović Radović	IBT roadmap	K. Morita	
	J. Cajzl	A. Subercaze		F. Moisy	Lunch
12:00 - 13:00					
13:00 - 14:00	Lunch	Lunch	Lunch	Lunch	
14:00 - 15:00	C. Weite	V. Malka			
	P. Steier	M. Klein			
	K. Wilcken	M.V. Mores			Poster session B
	M. Schiffer	T. Kalvas			
15:00 - 16:00	V. Palonen	K. Mizohata			
	Coffee	Coffee	Conference outing 13:30 - 22:00		
16:00 - 17:00					
17:00 - 18:00	Lab visit	Poster session A			
				Cruise and conference dinner 16:45 - 24:00	

# Monday 4.7.2016

8:45 – 9:00	Opening remarks	
<b>Medical, biological and environmental applications</b>		<b>Chair: Iva Bogdanović Radović</b>
9:00 – 9:30	<b>M.Q. Ren</b> <i>National University of Singapore, Singapore</i> Analytical Possibilities of Highly Focused Proton Beam in Biomedical Field	I-1
9:30 – 9:50	<b>Koji Noda</b> <i>National Institute of Radiological Sciences, Japan</i> Recent progress and future plan of heavy-ion cancer radiotherapy with HIMAC	O-1
9:50 – 10:10	<b>Cátia Santos</b> <i>Universidade Nova de Lisboa, Portugal</i> Measurement of the Ca/P ratio of samples with Paget's disease of bone and osteoporosis by PIXE, PIGE and micro-XRF	O-2
10:10 – 10:30	<b>Roger P. Webb</b> <i>University of Surrey, UK</i> Ambient Pressure Mass Spectrometry of Fingerprints: An Opportunity for MeV-SIMS	O-3
10:30 – 11:00	<b>Coffee</b>	
<b>Ion beam modification and radiation effects</b>		<b>Chair: Jyrki Räisänen</b>
11:00 – 11:30	<b>Arto Javanainen</b> <i>University of Jyväskylä, Finland</i> Radiation effects in electronics – featuring power devices	I-2
11:30 – 11:50	<b>Leonard C. Feldman</b> <i>Rutgers University, USA</i> Ion Beam Science Applied to Silicon Carbide Technologies	O-4
11:50 – 12:10	<b>Shavkat Akhmadaliev</b> <i>Helmholtz-Zentrum Dresden-Rossendorf, Germany</i> Depth profiled ion implantation doping using an energy filter based on Si membrane	O-5
12:10 – 12:30	<b>Jakub Cajzl</b> <i>University of Chemistry and Technology, Prague, Czech Republic</i> Erbium doped nanocrystalline diamond thin films	O-6
12:30 – 14:00	<b>Lunch</b>	
<b>Accelerator mass spectrometry</b>		<b>Chair: Alfred Dewald</b>
14:00 – 14:30	<b>Caroline Welte</b> <i>ETH Zurich, Switzerland</i> Laser Ablation – Accelerator Mass Spectrometry: rapid and spatially resolved radiocarbon analyses of carbonate archives	I-3
14:30 – 14:50	<b>Peter Steier</b> <i>University of Vienna, Austria</i> The ILIAS project – Isobar suppression in AMS by laser photodetachment	O-7
14:50 – 15:10	<b>Klaus Wilcken</b> <i>ANSTO, Australia</i> Accelerator Mass Spectrometry on SIRIUS: new 6 MV spectrometer at ANSTO	O-8
15:10 – 15:30	<b>Markus Schiffer</b> <i>University of Cologne, Germany</i> A dedicated AMS setup for medium mass isotopes at the Cologne FN-Tandem Accelerator	O-9
15:30 – 15:50	<b>Vesa Palonen</b> <i>University of Helsinki, Finland</i> Biofraction measurements of methane for environmental and metrological applications	O-10
15:50 – 16:20	<b>Coffee</b>	
16:20 – 18:00	<b>Lab visit</b>	

## Tuesday 5.7.2016

### Elastic Recoil Detection Analysis 40 years

Chair: Max Döbeli

9:00 – 9:40	<b>Jacques L'Écuyer</b> The development of ERDA	I-4
9:40 – 10:10	<b>Stephan Eschbaumer</b> <i>Universität der Bundeswehr München, Germany</i> An angular sensitive time of flight setup for heavy ion ERD	I-5
10:10 – 10:30	<b>Timo Sajavaara</b> <i>University of Jyväskylä, Finland</i> Conceptual study of high-performance heavy-ion-ERDA spectrometer for energies below 6 MeV	O-11

10:30 – 11:00

**Coffee**

### Applications to art and archeology

Chair: Miguel A. Respaliza

11:00 – 11:30	<b>Claire Pacheco</b> <i>Centre de Recherche et de Restauration des Musées de France, Paris, France</i> From AGLAE to New AGLAE	I-6
11:30 – 11:50	<b>Lucile Beck</b> <i>LMC14, Saclay, France</i> Analysis and dating of the Preuchdorf hoard (Alsace, France) by IBA and AMS	O-12
11:50 – 12:10	<b>Iva Bogdanović Radović</b> <i>Ruđer Bošković Institute, Zagreb, Croatia</i> Identification and imaging of modern paint materials using MeV-SIMS	O-13
12:10 – 12:30	<b>Alexandre Subercaze</b> <i>Subatech, Nantes, France</i> Thick multi-layers analysis with high energy PIXE	O-14

12:30 – 14:00

**Lunch**

### Ion source and accelerator technology

Chair: Leonard C. Feldman

14:00 – 14:30	<b>Victor Malka</b> <i>CNRS, Ecole Polytechnique, France</i> Manipulating Electrons with Intense Laser Pulses	I-7
14:30 – 14:50	<b>Matthias Klein</b> <i>High Voltage Engineering Europa B.V., Amersfoort, Netherlands</i> Technical improvements and performance of the HVE AMS sputter ion source SO110	O-15
14:50 – 15:10	<b>M.V. Mores</b> <i>National Electrostatics Corp., Middleton, Wisconsin, USA</i> Recent Projects and Future Collaborations at National Electrostatics Corp.	O-16
15:10 – 15:30	<b>Taneli Kalvas</b> <i>University of Jyväskylä, Finland</i> Application and development of ion source technology for electronics radiation effects testing	O-17
15:30 – 15:50	<b>Kenichiro Mizohata</b> <i>University of Helsinki, Finland</i> Accelerators of University of Helsinki on the IAEA Ion Beam Technology roadmap	O-18

15:50 – 16:20

**Coffee**

16:20 – 18:00

**Poster session A**

## Wednesday 6.7.2016

<b>Fundamentals and simulations</b>		<b>Chair: Kai Arstila</b>
9:00 – 9:30	<b>Jeremy M C Brown</b> <i>Queen's University Belfast, United Kingdom</i> Applications of Geant4 to ion beam and synchrotron science	I-8
9:30 – 9:50	<b>M. Mayer</b> <i>Max-Planck-Institut für Plasmaphysik, Garching, Germany</i> Computer Simulation of Backscattering Spectra from Paint	O-19
9:50 – 10:10	<b>Michael Kokkoris</b> <i>National Technical University of Athens, Greece</i> CSIM – A new code for the simulation of channeling EBS/RBS spectra	O-20
10:10 – 10:30	<b>Guy Terwagne</b> <i>University of Namur, Belgium</i> Development of an ultra-low background detection facility	O-21
10:30 – 11:00	<b>Coffee</b>	
<b>Ion beam technology and industry</b>		<b>Chair: Ian Vickridge</b>
11:00 – 11:30	<b>J. Meersschaut</b> <i>Imec, Leuven, Belgium</i> High-throughput ion beam analysis in an industrial environment	I-9
11:30 – 12:30	<b>Ion Beam Technology roadmap</b>	
12:30 – 13:30	<b>Lunch</b>	
13:30 – 22:00	<b>Conference outing</b>	

## Thursday 7.7.2016

Instruments and techniques for materials research		Chair: Ferenc Ditrói
9:00 – 9:30	<b>Simo Huotari</b> <i>University of Helsinki, Finland</i> Recent developments in synchrotron light sources and new possibilities for materials research	I-10
9:30 – 9:50	<b>Charles-Olivier Bacri</b> <i>CNRS-CSNSM, Orsay, France</i> SCALP, a platform for synthesis and characterization of materials	O-22
9:50 – 10:10	<b>M. Fonseca</b> <i>Universidade Nova de Lisboa, Portugal</i> Quantitative analysis of Li by PIGE technique	O-23
10:10 – 10:30	<b>Victor Alarcon-Diez</b> <i>Sorbonne Universités, France</i> Charge Collection Efficiency in Segmented Semiconductor Detector interstrip region	O-24
10:30 – 11:00	<b>Coffee</b>	
Analysis and modification using heavy ions		Chair: Roger Webb
11:00 – 11:30	<b>Zdravko Siketić</b> <i>Ruder Bošković Institute, Zagreb, Croatia</i> Two modes for molecular imaging using MeV-SIMS at the heavy ion microprobe	I-11
11:30 – 11:50	<b>Toshio Seki</b> <i>Kyoto University, Japan</i> Chemical analysis under ambient conditions using swift heavy ion beams	O-25
11:50 – 12:10	<b>Kenji Morita</b> <i>Nagoya Industrial Science Research Institute, Japan</i> In-situ Depth Profiling of Li in Solid State Li Ion Battery under Charging by Means of ERDA and RBS Techniques with 9 MeV O <sup>+4</sup> ion	O-26
12:10 – 12:30	<b>Florent Moisy</b> <i>CIMAP, Caen, France</i> Point defects and structural modifications in Al <sub>x</sub> Ga <sub>1-x</sub> N nitride semiconductors under heavy ion irradiation	O-27
12:30 – 14:00	<b>Lunch</b>	
14:00 – 15:50	<b>Poster session B</b>	
16:45 – 24:00	<b>Cruise and conference dinner</b>	

## Friday 8.7.2016

<b>Accelerator technology and radiation hard materials</b>		<b>Chair: Ari Virtanen</b>
9:00 – 9:30	<b>Markus Strobl</b> <i>ESS ERIC, Lund, Sweden</i> ESS – the promises of an accelerator in the service of neutron science	I-12
9:30 – 9:50	<b>Alexandre Bosser</b> <i>University of Jyväskylä, Finland</i> R2RAM project: Development and characterization of a radiation-hard resistive random-access memory	O-28
9:50 – 10:10	<b>Tianjue Zhang</b> <i>China Institute of Atomic Energy, Beijing, China</i> mA Beam Acceleration Efforts on 100 MeV H <sup>-</sup> Cyclotron at CIAE	O-29
10:10 – 10:30	<b>Coffee</b>	
<b>Quality assurance in IBA</b>		<b>Chair: Timo Sajavaara</b>
10:30 – 11:00	<b>Chris Jeynes</b> <i>University of Surrey Ion Beam Centre, United Kingdom</i> RBS as a new "primary direct reference method" for measuring Quantity of Material	I-13
11:00 – 11:30	<b>Concluding remarks</b>	
11:30 – 11:45	<b>Closing of the conference</b>	
11:45 – 13:00	<b>Lunch</b>	