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Joint ICTP-IAEA Workshop on Electrostatic Accelerator Technologies, Basic Instruments and Analytical Techniques | (smr 3331)

Monday 21 October 2019

Administrative and Financial formalities - Giambiagi Lecture Hall (AGH) (08:30-10:30)

REGISTRATION: Upon arrival, Visitors not staying in the ICTP Guest Houses, are kindly requested to complete registration formalities in Adriatico Guest House - Lower Level - Office 3 from 8.30 till 10.30.

TRAVEL UNIT: All participants financially supported by ICTP should reach the Travel Unit at the Enrico Fermi Building by 8:30 in order to fulfill all financial procedures.
Please bring your badge or passport with you.

notitle - Giambiagi Lecture Hall (AGH) (10:30-18:30)

time	title	presenter
10:30	Opening and Overview of Workshop Programme; Introductions of the participants	TUNIZ, Claudio SKUKAN, Natko
11:00	Introduction to ICTP and IAEA	TUNIZ, Claudio SKUKAN, Natko
12:00	Lecture 1: Introduction to electrostatic accelerators 1	CONRADIE, Lowry
13:00	Lunch break	
14:00	Lecture 2: Ion sources for positive ions	CONRADIE, Lowry
15:00	Lecture 3: Ion sources for negative ions	SKUKAN, Natko
16:00	Coffee break	
16:30	Presentations by participants	

Welcome Reception - Adriatico Guest House - Cafeteria (19:00-20:30)

All participants of the Joint ICTP-IAEA Workshop on Electrostatic Accelerator Technologies, Basic Instruments and Analytical Techniques are cordially invited to a Welcome Reception

Tuesday 22 October 2019

notitle - Giambiagi Lecture Hall (AGH) (09:00-18:30)

time	title	presenter
09:00	Lecture 4: Introduction to IBA – The RBS and ERD techniques	LAGOYANNIS, Anastasios
10:00	Lecture 5: Nuclear Reaction Analysis (NRA) & Proton-Induced Gamma-ray Emission (PIGE)	LAGOYANNIS, Anastasios
11:00	Coffee break	
11:30	Lecture 6: Vacuum systems	CONRADIE, Lowry
12:30	Lunch break	
14:00	Lecture 7: PIXE and its applications	PELICON, Primoz
15:00	Lecture 8: Rutherford Backscattering Spectrometry: experimental aspects	PELICON, Primoz
16:00	Coffee break	
16:30	Presentations by participants	

Wednesday 23 October 2019

Visit of the Accelerator Laboratory of Jozef Stefan Institute, Ljubljana, Slovenia - (08:00-20:01)

time	title	presenter
08:00	Departure to Jozef Stefan Institute, Ljubljana	
10:00	Expected Arrival at Jozef Stefan Institute, Ljubljana	
10:00	Introduction into the accelerator facility at JSI	
11:00	Guided tour of the accelerator facility and the beamlines	
12:00	Lunch break	
13:30	Group 1: In-air PIXE experiment / Group 2: Visit of the Research Reactor TRIGA	
15:00	Coffee break	
15:30	Group 1: Visit of the Research Reactor TRIGA / Group 2: In-air PIXE experiment	
17:00	Survey of the day & Discussion	
18:00	Departure to ICTP, Trieste	
20:00	Expected Arrival at ICTP, Trieste	

Thursday 24 October 2019

notitle - Giambiagi Lecture Hall (AGH) (09:00-18:30)

time	title	presenter
09:00	Lecture 9: Ion beam optics	CONRADIE, Lowry
10:00	Lecture 10: Beam focusing elements and basic calculations for magnet design	CONRADIE, Lowry
11:00	Coffee break	
11:30	Lecture 11: Special topics in operation and maintenance of electrostatic accelerators	SKUKAN, Natko
12:30	Lunch break	
14:00	Lecture 12: Detectors for Ion Beam Analysis	LAGOYANNIS, Anastasios
15:00	Lecture 13: Practical exercise with program TRANSPORT for beam line design – Part 1	CONRADIE, Lowry
16:00	Workshop's Group Photo & Coffee Break	
16:45	Lecture 14: Practical exercise with program TRANSPORT for beam line design – Part 2	CONRADIE, Lowry

Friday 25 October 2019

Visit of the Laboratori Nazionali di Legnaro, (LNL), Legnaro-Padova, Italy - Legnaro-Padova, Italy (08:00-19:30)

time	title	presenter
08:00	Departure to LNL	
10:20	Expected Arrival at LNL	
10:30	Programme of visit to be defined	
17:00	Departure to ICTP, Trieste	
19:20	Expected Arrival at ICTP, Trieste	

Monday 28 October 2019

notitle - Giambiagi Lecture Hall (AGH) (09:00-17:30)

time	title	presenter
09:00	Lecture 15: Beam monitoring devices	CONRADIE, Lowry
10:00	Lecture 16: Low-energy nuclear reactions – Part 1	CHARISOPOULOS, Sotirios
11:00	Coffee break	
11:30	Lecture 17: Low-energy nuclear reactions – Part 2	CHARISOPOULOS, Sotirios
12:30	Lunch break	
14:00	Lecture 18: Special topics in IBA – Part 1	JAKSIC, Milko
15:00	Lecture 19: Radiation protection and safety – Part 1	ZAFEIROPOULOS, Demetre
16:00	Coffee break	
16:30	Lecture 20: Radiation protection and safety – Part 2	ZAFEIROPOULOS, Demetre

Tuesday 29 October 2019

notitle - Giambiagi Lecture Hall (AGH) (09:00-17:00)

time	title	presenter
09:00	Lecture 21: Special topics in IBA – Part 2	JAKSIC, Milko
10:00	Lecture 22: Recap of Electrostatic Accelerators, Basic Instruments & Analytical Techniques–1	CHARISOPOULOS, Sotirios
11:00	Coffee break	
11:30	Lecture 22: Recap of Electrostatic Accelerators, Basic Instruments & Analytical Techniques–2	CHARISOPOULOS, Sotirios
12:30	Lunch break	
14:00	Questions, summary and feedback survey	CHARISOPOULOS, Sotirios TUNIZ, Claudio
15:00	Selected interviews	
15:30	Coffee break	
16:00	Graduation ceremony and certificates – Closing Remarks – Farewell	CHARISOPOULOS, Sotirios TUNIZ, Claudio