
First International Conference and School on Radiation Imaging

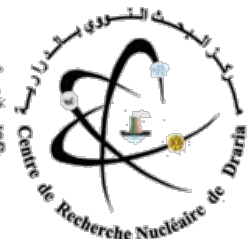
SETIF, SEPTEMBER 26-30, 2021

Ferhat Abbas-Setif1 University-UFAS

Faculty of Sciences

In partnership with the Atomic Energy Commission-COMENA

ALGERIA



Program

Program of the School on Radiation Imaging and image Processing

Thursday, 28 September	<u>3D Tomography</u> Lecturers: Pr. Habib Zaidi, Pr. Fayçal Kharfi, Dr. Layachi Boukedja, and Dr. Omar Denden
08h00-08h30	Opening Ceremony
08h30-10h00	1 st Lecture : Fundamental of Transmission Tomography (Dr. L. Boukerdja)
10h00-11h15	Coffee Break
10h15-11h45	2 nd Lecture : PET and SPECT Tomography (Pr. H. Zaidi)
11h45-12h00	Open Discussion
12h00-13h30	Lunch Break
13h30-15h00	1 st Practical Work : X-ray Tomography in Practice (Pr. F. Kharfi)
15h00-15h30	Coffee Break
15h30-17h00	2 nd Practical Work : 3D Image Reconstruction and Analysis (Dr. O. Denden)
Wednesday, 29 September	<u>Scanning Electron Microscopy (SEM)</u> Lecturers: Pr. Mohamed Guemmaz and Dr. Melia Hamici
08h00-09h30	1 st Lecture : Fundamental Physics and Principle of SEM (Pr. M. Guemmaz)
09h30-10h00	Coffee Break
10h00-11h30	2 nd Lecture: Reminders on X-ray Energy Dispersive Spectroscopy EDX
11h30-12h00	Open Discussion
12h00-13h30	Lunch Break
13h30-15h00	1 st Practical Work : Vacuum Technology-Pumps and Gauges (Pr. M. Guemmaz)
15h00-15h30	Coffee Break
15h30-17h00	2 nd Practical Work : Practice on JEOL-7001F SEM (Dr. M. Hamici)
Tuesday, 30 September	<u>Image Analysis and Processing</u> Lecturers: Dr. Djamel Eddine Chouaib Belkhiat and Dr. Moussa Chemseddine
08h00-09h30	1 st Lecture: Introduction to Image Processing (Dr. D.C.E. Belkhiat)
09h30-10h00	Coffee Break
10h00-11h30	2 nd Lecture : Artificial Intelligence in Image Processing (Dr. M. Chemseddine)
11h30-12h00	Open Discussion
12h00-13h30	Lunch Break
13h30-15h00	1 st Practical Work : Segmentation of Medical Images by Conventional Methods
15h00-15h15	Coffee Break
15h15-16h45	2 nd Practical Work : Image Manipulation Under Octave Environment
15h45-17h00	Closing Ceremony