

Metallurgy and Materials Science Tests Laboratory

Basics of Materials Science (SVU_MS) 1st International winter school

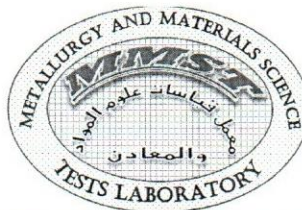
8-10 February 2020

SVU_MS winter school targets **Master students, Ph.D. students** and **Postdocs** interested in or working on topics based on Material science.

Speakers

Prof Dr. Medhat Ahmed	National Research Centre, Egypt
Prof Dr. Fayez Elhosery	Sohag University, Egypt
Prof Dr. Ravez Adam	Eötvös Loránd University, Hungary
Prof Dr. Zsolt Kovacs	Eötvös Loránd University, Hungary
Prof Dr. Sama Imam el-Dek	Beni Suef University, Egypt
Prof Dr. Eslam Mohamed Ibrahim	Sohag University, Egypt
Prof Dr. Gehad Genedi	Cairo University, Egypt
Prof Dr. Khaled EbnElwaled	South Valley University, Egypt
Professor Dr. Viktória	Institute of Technical Physics and Materials Science, Hungary
Associate Prof Dr Ahmed Farghaly Mabied	National Research Centre, Egypt
Dr. Taha Tema	Misir International University, Egypt

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Metallurgy and Materials Science Tests Laboratory

Dr. Peter Jenei

Eötvös Loránd University, Hungary

Lectures

Prof Dr. Fayez Elhosery

Plasma

Prof Dr. Gehad Genedi

Nanomaterials and application

Prof. Dr. Medhat A. Ibrahim

Introduction to Molecular Spectroscopy

Prof Dr. Eslam Mohamed

Thermoelectric power

Prof Dr. Khaled EbnElwaled

Polymer Nanocomposites

Prof Dr. Zsolt Kovacs,

Material Science I

Prof Dr. Ravez Adam,

Hydrogen storage materials

Assoi Prof. Dr M. S. Abdel-Sadek

Nanocoposite

Professor Dr. Viktória

Electron Microscopy (TEM and SEM)

Dr. Peter Jenei

X-ray line profile analysis

Associ Prof Dr Ahmed Farghaly,

Powder and single crystal diffraction

Dr. Taha Tema

Biomaterials and Physics of Bio-glass

Training

- Atomic Force Microscopy
- X-ray line profile analysis (CMWP: Convolutional Multiple Whole Profile fitting [<http://csendes.elte.hu/cmwp/>]) and know-how for users working either in academic or in industrial research and development areas

Venue

The winter school will take place in South Valley University, Qena, Egypt

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Time Table

Saturday 8/2/2020			
Registration			8
Opening			8:30-9
Lecture 1	Material Science I	Prof Dr. Zsolt Kovacs	9-12
Lecture 2	Thermoelectric power	Prof Dr. Eslam Mohamed Ibrahim	12-14
School-Photo, Lunch and coffee break			14-15
Lecture 3	Powder and single crystal diffraction	Associate Prof Dr Ahmed Farghaly Mabied	15-17
Advertising	X-ray techniques	TechnoVision company	17-17:30
Training 1	X-ray line Profile Analysis	Dr. Peter Jenei	17:30-22

Sunday 9/2/2020			
Lecture 4	Introduction to Molecular Spectroscopy	Prof. Dr. Medhat A. Ibrahim	8-11
Lecture 5	Electron Microscopy (TEM and SEM)	Professor Dr. Viktória Dr. Kovácsné Kis	11-14
Lunch and Coffee break			14 -15
Lecture 7	Hydrogen Storage	Prof Dr Ravez Adam	15-18
Training 2	CoreAFM training	NanoSurf- Switzerland Company	18-22

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Monday 10/2/2020			
Lecture 8	Plasma Applications	Prof Dr Fayez	8-10
Lecture 9	Nanomaterials and application	Prof Dr. Gehad Genedi	10-12
Lecture 10	Magnetic Properties from micro to nano	Prof Dr. Sama Imam El-Dek	12-14
Lunch and Coffee break			14-15
Lecture 11	Energy materials for fuel cell applications	Prof Dr. Esam Abdelhady	15-17
Lecture 12	Biomaterials and Physics of Bio-glass	Dr. Taha Tema	17-19
Advertising	Thermal Conductivity	Cairo Scientific	19-20
Lecture 8	Closing and recommendations		20 -20:30

Coordinator: Dr. Mohammed Abas,

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