

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

Under The Auspices of



Professor Dr. Khaled Abdel-Ghaffar

Minister of Higher Education and Scientific Research



Professor Dr. Youssuf Gherbawy

President of South Valley University

Issue No.:	قنا - جامعة جنوب الوادي مبني المخازن المركزية القديم - الدور الثالث Mmst@sci.svu.edu.eg, 01011711130/ FAX. 0963211966	Copy No.:
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Metallurgy and Materials Science Tests Laboratory



Professor Dr. Ahmed Akway

Vice-president for Postgraduate and Research affairs



Professor Dr. Mohamed Mahgoub Azooz

Dean of the Faculty of Science, South Valley University



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Professor Dr Shaban Ramdan Harb

Head of Physics department

School Coordinator

Dr. Mohammed Ezzeldien Mohammed

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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
Professor Dr. Viktória	Institute of Technical Physics and Materials Science, Hungary
Associate Prof Dr Ahmed Farghaly Mabied	National Research Centre, Egypt
Dr. Taha Tema	Misr International University, Egypt
Dr. Peter Jenei	Eötvös Loránd University, Hungary

Lectures

Prof Dr. Fayez Elhosery

Plasma Applications

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Prof Dr. Gehad Genedi	Nanomaterials and application
Prof Dr. Esam Abdelhady	Energy materials for fuel cell applications
Prof. Dr. Medhat A. Ibrahim	Introduction to Molecular Spectroscopy
Prof Dr. Eslam Mohamed	Thermoelectric power
Prof Dr. Sama Imam El-Dek	Magnetic Properties from micro to nano
Prof Dr. Zsolt Kovacs,	Material Science I
Prof Dr. Ravez Adam,	Hydrogen storage materials
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

Journey to Dandara Temple and Luxor 12-02-2020

Time Table

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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	Magnetic Properties from micro to nano	Prof Dr. Sama Imam El-Dek	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

Monday 10/2/2020			
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Lecture 8	Plasma Applications	Prof Dr Fayez	8-10
Lecture 9	Nanomaterials and application	Prof Dr. Gehad Genedi	10-12
Lecture 10	Powder and single crystal diffraction	Associate Prof Dr Ahmed Farghaly Mabied	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
Closing and recommendations			20 -20:30

Coordinator: Dr. Mohammed Abas,

To apply for the (SVU_MS) 1st International winter school, send email including C.V. and motivation letter

Email address: Mohammed.abas@sci.svu.edu.eg

Telephone number: 01011711130

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