

We like to introduce our 13 international and national guest lectures

1. Prof. Maria Yzuel is a full professor at the Department of Physics, Universidad Aut3noma de Barcelona (UAB), Spain, since 1983. She is a member of the Royal Academy of Sciences and Arts of Barcelona. She earned her Physics degree and Ph. D. Degree from the University of Zaragoza, Spain. She had a British Council scholarship for a post doctoral stay at the University of Reading, UK. She has worked in diffraction image theory, image quality evaluation, apodization, applications to photolithography, optical pattern recognition, color information in correlators, design of filters. She also worked in medical optics and, recently, she is working in liquid crystal pannels in diffractive optics. She received the SPIE board of directors Award in 2005. She served in SPIE board of directors from 2001 to 2003 and in several SPIE (Internaional Society for Optics and Photonics) committees. Dr. Yzuel was the SPIE 2009 President.



2. Prof. Zohra Ben Lakhdar, Professor-Emeritus of Physics at faculty of sciences of Tunis (FST), the University of Tunis-El Manar, Tunisia. She received the 2005 L'Oreal-UNESCO Award Laureate for Africa for her experiments and models on infrared spectroscopy and its applications to pollution detection and medicine. Educated at the Universities of Tunis and Orsay (France), she is the author of dozens of scientific papers on spectroscopy and a founding member of the Tunisian Physics and Astronomy Societies. She is founder of the Tunisian Optical Society Director and served as president from 2002 to 2012. She was director of the Laboratory of Atomic-Molecular Spectroscopy and Applications at the FST. She is elected vice-president of the International Commission of Optics (ICO) from 2011 to 2014. She is fellow member of SPIE.



3. Prof. Maria L. Calvo graduated in Physics in 1969 at the Complutense University of Madrid (UCM, Spain). After graduation she first visited Phillips (Eindhoven, Holland) and started working in quality control on glass fabrication (surface quality and stress analysis). Later, she became a fellow of the French National Centre for Scientific Research (CNRS) in Paris. At the Institute of Optics she continued to work on optical properties of glasses and amorphous materials and obtained a Doctorate Diploma from the University of Paris VI (France,1971). She joined the Optics Department of UCM as a full professor and started theoretical studies on light scattering defects in isotropic media. In July 2008 she was elected President of the International Commission for Optics (ICO) for the term 2008-2011.



4. Dr. Hamid Dehghani is author of the NIRFAST program and is currently Senior Lecturer at the University of Birmingham in the School of Computer Science and Assistant Professor of Engineering at Dartmouth College. He has a M.Sc. in Medical Physics and Clinical Engineering from University of Sheffield (U.K.) 1995 and a Ph.D. in Electrical Impedance Tomography from Sheffield Hallam University (U.K.) 1999. He has published widely on image reconstruction in alternative imaging modalities.



5. Dr. Jean Luc Doumont: An engineer from the Louvain School of Engineering and PhD in applied physics from Stanford University, he now devotes his time and energy to training engineers, scientists, business people, and other rational minds in effective communication, pedagogy, statistical thinking, and related themes. With his rational background, he approaches communication in an original, engineering-like way that contrasts sharply with the tradition of the field, rooted in the humanities. He is thus well received by students and professionals in search of a method they can apply with the same rigor they have come to value in every other aspect of their occupations. Articulate, entertaining, and thought-provoking, he is a popular invited speaker worldwide, in particular at international scientific conferences, research laboratories, and top-ranked universities.



6. Prof. Najoua Kammoun is a full professor at the Faculty of sciences of Tunis, University of Tunis El Manar, Tunisia. She is the director of Condensed Matter Laboratory and director of the research team "Growth and Multi-scale characterization of semiconductor materials used in devices Photovoltaic". Her research topics include Condensed Matter Physics, Nanomaterials Science (in particular semi-conductors), nonconventional energy (photovoltaics) and Physics of semiconductor components.



7. Prof. Souad Lahmar is a full professor at the Institut Préparatoire aux Etudes Scientifiques et Techniques (IPEST) La Marsa – Tunis, Tunisia. Her research topics include: Theoretical study of atomic and molecular structure and spectroscopy, Applications in Environment, Biology, Astrophysics. She is founder member of the "Société Tunisienne d'Optique (STO)" (Tunisian Society of Optics). She is resource person and facilitator for the UNESCO International Programme in Physics and UNESCO project: "*Active Learning in Optics and Photonics (ALOP) : Training of Physics Trainers.*"



8. Dr. Ute Kämper has a doctorate in the field of the molecular genetics of fungi at the Ruhr-University Bochum; in cooperation with and stay abroad at the Ohio State University, USA. She is a translator of science-related manuscripts, managing director of the Graduate Center for Life and Natural Sciences and of MARA, the Marburg Research Academy of the Philipps-University Marburg. She is a trainer for scientific writing in the life and natural sciences ("Scientific Writing Lab"), for quality assurance in advising doctoral candidates, and for "Good Scientific Practice".



9. Leila Chettaoui is the 1st Coach certified by the International Coach Federation in Tunisia and north-Africa. She is executive coaching at Erickson College, Tunisia – and owner of Impact coaching. She is specialist in: Leadership and team coaching, time and project management, equilibrium between private and professional lives, public speaking and job interview as well as stress management.



10. Dr. Alexandra Elli studied biochemistry at the Eberhard Karls University Tübingen, Germany. She did her PhD in the physics department at the University of Stuttgart, where she build up a confocal laser scanning microscope to study single photosystem I complex at low temperatures. As a postdoctoral fellow at the Philipps-University of Marburg she was working on a kidney cancer project and coordinated the bio-imaging facility of the SFB 593. Since 2011 she is working as a product manager for correlative microscopy at Carl Zeiss, Oberkochen.



11. Khaled Ben Yahia has a Ph.D. in electrical engineering, an expert in the system and Functional development Through his training as a transactional analyst he won a new look for the communication processes and stress fields in organizations, skills in coaching, team building, management and organizational development.



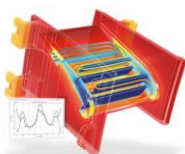
12. Dipl.-Ing. (FH) Kirstin Baum is a Doctoral candidate at Philipps-University Marburg, Germany. She gives lectures about: "fundamentals optics", "tissue optics" and "fluorescence microscopy" for the subject molecular imaging, and "digital imaging processing and image presentation for scientific publication" at the department of biomedical science, Philipps-University Marburg, Germany. Her research is focused on near infrared small animal imaging and diffuse optical tomography. During and after her diploma she had worked for several companies in Germany, like Fraunhofer Institute for Silicon Technology ISIT, Agfa and FRT. In August 2012 she developed the concept for "Get ahead with Optics" and with Ms Cherif she found a motivated partner to elaborate the project.



13. Dr. Rim Cherif is assistant professor at the faculty of sciences, University of Tunis El Manar, Tunisia. She received her MSc and PhD degrees from the Engineering School of Communication of Tunis, Tunisia (Sup'Com) in 2005 and 2009, respectively. Her current research focuses on numerical and experimental characterization of photonic crystal fiber properties, supercontinuum generation, nonlinear effects, nanophotonics. She is a member of the executive board of the Tunisian Optical Society and founder of the student chapters of the Optical Society of America (OSA) and the International Society for Optics and Photonics (SPIE). She is a member in the education committee of SPIE.



14. Comsol Multiphysics Workshop by Elnady Engineering & Agencies, Comsol representative in Arab countries.



COMSOL is a Swedish company developing state-of-the-art Finite Element software that is capable of simulating any physical problem that can be described with partial differential equations.

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