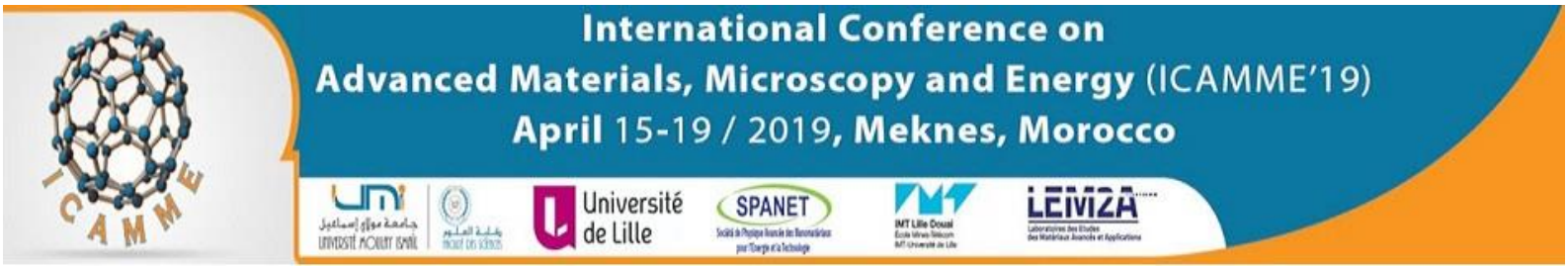
Liste des conférenciers

 **Christian COLLIEX** **Orsay France**	The French physicist Christian Colliex is known for his pioneering work on the use of electron energy loss spectroscopy (EELS) in transmission electron microscopy. Colliex graduated from the École Nationale Supérieure des Mines de Paris in 1965 and received his Ph.D. in Solid State Physics in 1970 from the CNRS Laboratoire de physique des solides, Orsay. He is CNRS Research Director at the Solid State Physics laboratory in Orsay, head of the Electron Microscopy group. **Seeing, Analyzing and Measuring in the nano-world with a Scanning Transmission Electron Microscope (STEM)**
 **Patrick CORDIER** **Lille France**	Patrick Cordier is a mineralogist who uses experimental and numerical approaches to study the plasticity of geological materials. He has authored or co-authored over 170 articles in international scientific journals. He received the Dana Medal from the Mineralogical Society of America in 2016, and is currently a chief editor of the European Journal of Mineralogy. He is the current president (2018–2020) of the International Mineralogical Association (IMA). He has also served as the president (2008–2009) of the French Mineralogical Society. **Deforming minerals and rocks: from the atoms to plate teconics and the rheology of the mantle**
 **Abdelhamid BENAZZOUZ** **Bordeaux France**	Research Director INSERM - Leader of Team "Monamines, brain stimulation (SCP) and Parkinson" at the Institute of Neurodegenerative Diseases (Bordeaux). Scientific advisor for the film "Parkinson's Disease: From Cell to Man" (26 minutes / Year 2013). http://videotheque.cnrs.fr/doc=4045 . Member of Section 25 of the CNRS National Committee since October 2012. Reviewer for several International Journals. Supervision of many theses. Author of Several scientific papers. **Deep brain electrical stimulation for neurological and psychiatric disorders**
 **Jean Louis BANTIGNIES** **Montpellier France**	Professor of Physics at the Laboratory Charles Coulomb in University Montpellier II Research topics or attachments: ✓ Functional Nanomaterials ✓ Development and study of networks, films and composites based on nanotubes. ✓ Doping, confinement and functionalization in nanotubes **Publications:** https://dumas.ccsd.cnrs.fr/L2C/search/index/q/*/authFullName_s/Jean-Louis+Bantignies **Organic–inorganic nanohybrid materials: Self-assembling and properties**
 **Laurent ALVAREZ** **Montpellier France**	Currently works at the Laboratory Charles Coulomb in University Montpellier II. Laurent does research in Condensed Matter Physics and Experimental Physics. Their most recent publication is 'Non-Covalent Functionalization of Carbon Nanotubes by Phthalocyanines Analyzed by Spatial-Resolved EELS'. Other research theme (s) or affiliation (s): ✓ Development and study of networks, films and composites based on nanotubes. ✓ - Doping, confinement and functionalization in nanotubes **Publications:** https://www.coulomb.univ-montp2.fr/spip.php?page=publications&aigle_auteur=87 **Modulating single-walled carbon nanotube opto-electronic properties by dye confinement**
 **Damien JACOB** **Lille France**	Professor in University of Lille, Materials and Transformations Unit, Team: Terrestrial and Planetary Materials. http://umet.univ-lille1.fr/detailscomplets.php?id=21 He is director of the Lille Microscopy Facility and President of the French Microscopy Society. He is an active member in the field of advanced electronic diffraction. **Research topics:** Microstructural Characterization of Materials by Transmission Electron Microscopy - Conventional Convergent Beam, Wide Angle and Precession Electron Diffraction. **Structure refinement using precession electron diffraction tomography and dynamical diffraction applied to mineral geo-thermometers**
 **Haosu Luo** **Shanghai China**	Professor and the group leader of ferroelectric single crystals and devices in Shanghai Institute of Ceramics, Chinese Academy of Sciences. He has significantly contributed to the growth and development of piezoelectric single crystals, especial for the growth and practical application of PMN-PT single crystals. Current researches involve the growth of high-Tc relaxor-based single crystals, lead free piezoelectric single crystals, and device applications. He has involved more than 400 publications. **Higher performance PMNT based wearable piezoelectric energy harvester**

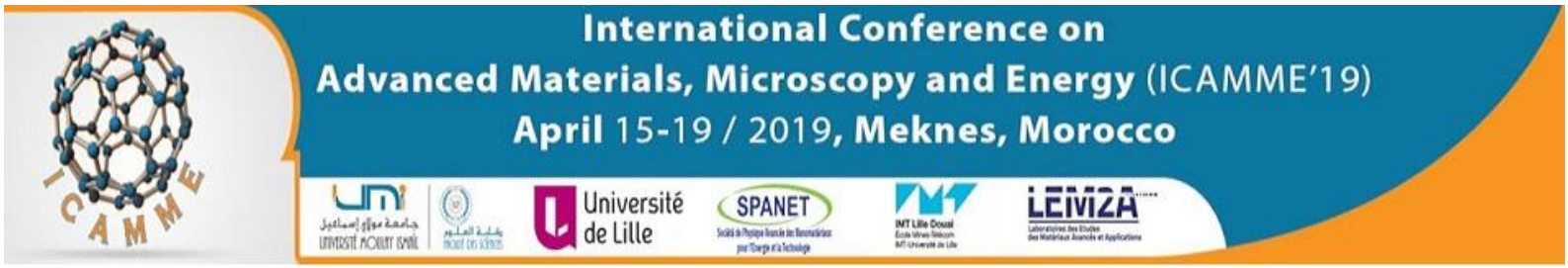
 **Brahim Elouadi** **La Rochelle France**	Elouadi worked as a professor of chemistry in faculty of sciences at Rabat University from 1980 to 1990. In 1981, he held the position of a director of Applied Solid State Chemistry Laboratory in Rabat, where he worked until 1988. He was a visiting professor of chemistry at Oklahoma State University in 1985-1986. Then in 1990 he moved to France and became a professor of chemistry at the University of Paris-Nord. Since 1995 Elouadi has been a professor of chemistry at the University of La Rochelle. **Event of the Modern Electronic Era With Perovskite Structure Materials**
 **Rose Noëlle VANNIER** **Lille France**	Professor of the Universities is in charge of the National School of Chemistry of Lille since September 1st 2016. She was a member of the committee of specialists 33rd section of Lille (1995-2008). She was member of the national council of the universities, 33e section, from 1999 to 2001, then named member, of 2007 to 2011. She was in charge of the MSTP 4 (Scientific, Technical and Pedagogical Mission) of the Ministry of Higher Education and Research, from 2006 to 2007. She was in charge of the UCCS solid-chemical axis (UMR CNRS), from 2008 to 2014. **Oxide ion conductors for solid oxide cells**
 **Frédéric ROGER** **Lille Douai France**	Frederic Roger currently works at Lille University (Unité de Mécanique de Lille) and is a Professor at Institut Mines Telecom Lille-Douai. Current projects are Simulation of Additive Manufacturing for composites and metallic alloys, Multiphysics and Multicale modelling in material science. He works also on damage modelling/simulation and X-ray tomography monitoring of short glass fiber automotive structures, Modelling of shape memory polymers and Mechanical behavior of thermoplastics polymers blends. **Additive manufacturing : scientific, economic and educational opportunities**
 **Khalid BOULAYHA** **Madrid Spain**	Affiliated to Inorganic Chemistry, Complutense University of Madrid, Dr. Khalid Boulahya is currently working as Professor Contracted Doctor, he has authored and co-authored several national and international publications and also working as a reviewer for reputed professional journals. He has received several awards for the contributions to the scientific community; his major research interest involves characterization of materials, chemistry of materials, solid state chemistry and Electron microscopy. **Haadf and abf-stem study of new promising ruddlesden–popper member component for it-sofc**
 **Lahcen KHOUCHAF** **Lille Douai, France**	Professor of Physics, experimental techniques and nanotechnology, Head of Physical Analysis Lab from 1999 to 2007 in IMT, Lille university, France. After a PhD in 1996 from University of Haute Alsace in Solid State Physics, he obtained an accreditation to supervise research In 2004 France. He works on microscopy and spectroscopy instrumentation development, Environmental Electron Microscopy and Microanalysis to study the properties at low scale of different materials. **Gaseous Scanning Electron Microscopy (GSEM): Perspectives For Gaseous Transmission Electron Microscopy (GTEM)**
 **Mabrouk BENHAMOU** **Meknes Morocco**	Professor at Faculty of Sciences, Meknes, Morocco, Researcher in Theoretical Physics, Statistical Physics, Soft-Condensed Matter, and Biological Sytems. Supervision of many theses. Author of more than four hundred of scientific papers and advanced books. Editor of many International Scientific Journals. Expert to the benefit of several International Scientific Institutions. Member of the directory of many National and International Scientific Societies and Receipient of many Awards and Distinctions. **Pickering emulsions : From experiment to theory.**
 **Abdelali RAHMANI** **Meknes Morocco**	Professor of Physics at Faculty of Sciences, Université Moulay Ismail , Meknès. Director of Laboratory of Advanced Materials Studies and Applications (LEM2A). Researcher in Functional Nanomaterials and Numerical simulation. Supervision of many theses. Author of Several scientific papers (+55 publications in peer-reviewed journals, Impact Item +96, RG Score 31.08, Reads> 350). **Nonresonant polarized Raman spectra calculations of doped single wall carbon nanotubes**
 **Fatiha Nothias** **Paris Seine, France**	Fatiha Nothias currently works at the Neuroscience Paris Seine, CNRS UMR 8246, INSERM U1130, Pierre and Marie Curie University - Paris 6. Fatiha does research in Neuroscience, Molecular Biology and Cell Biology. Their most recent publication is "Physical chitosan microhydrogels as scaffolds for spinal cord injury restoration and axon regeneration." **Regenerative biomaterial matrices for traumatic spinal cord injury repair**



Première édition de l'école de printemps sur la Microscopie Electronique, Spectroscopies Raman et Infrarouge, leurs applications biomédicales et la Fabrication Additive, 15-16 Avril 2019, Meknès, Maroc.

Programme de l'école

	Dimanche 14 Avril 2019, Après midi		
16:00	**Réception et inscription des participants**		
	Lundi 15 Avril 2019, Matin		
08:00	**Inscription des participants**		
09:30	**Allocutions d'ouverture :** **Pr. Abdelhamid ZAID : Vice-président chargé de la recherche scientifique, coopération et partenariat** **Pr. Abdelhai Rahmani et Pr. Lahcen Khouchaf : Comité d'organisation**		
10:00	**Pause-café**		
10:30	**Séminaire 1 :** Innovation : Accélérateur de développement économique et scientifique, **Prof. Lahcen Khouchaf**		
11:30	**Séminaire 2 :** Fabrication Additive, **Prof. Frédéric Roger**		
	Lundi 15 Avril 2019, Après midi		
	Session 1 : Microscopie	**Session 2 : Spectroscopie**	
14:30	Microscopie Electronique à Balayage et à Transmission sous Environnement Gazeux, Nano-Microanalyse X, **Prof. L. Khouchaf**	Introduction à la spectroscopie infrarouge: formalisme, **Prof. J-L. Bantignie**	
16:30	Préparation des échantillons MEB, **Prof A. M. Blanchenet**	Théorie classique de la diffusion Raman & applications I, **Prof. L. Alvarez**	
	Mardi 16 Avril 2019, Matin		
09:00	**Séminaire 3 :** Ethique et recherche expérimentale**, Prof. Rabia Bouali-Benazzouz**		
	Session 3 : Microscopie	**Session 4 : Spectroscopie**	**Session 5 Applications biomédicales**
10:00	Microscopie Electronique à Transmission et application 1, **Prof A. Addad**	Introduction à la spectroscopie infrarouge : Instrumentation et applications, **Prof. J-L. Bantignie**	Modèles animaux des maladies du cerveau, **Prof. A. Benazzouz**
	Mardi 16 Avril 2019, Après midi		
	Session 6 : Microscopie	**Session 7 Applications biomédicales**	
14:30	Microscopie Electronique à Transmission et application II, **Prof A. Addad**	Approches comportementales et électro - physiologiques pour étudier le cerveau, **Prof. A. Benazzouz**	
16:30	Diffraction Electronique, **Prof Damien Jacob**	L'optogénétique : une approche innovante pour étudier les réseaux neuronaux, **Prof. R. B. Benazzouz**	



Conference Program

	Wednesday, April 17, 2019	
08:00	**Registration**	
09:30	**Opening ceremony:** **Pr. M. Hassan SAHBI : President of Moulay Ismail University Meknes (UMI):** **Pr. Mohamed KHALFAOUI : Director of the National Centre for Scientific and Technical Research** **Pr. Abdelhai RAHMANI : Chairman of organizing committee of ICAMME19**	
10:15	**Reception in honor of participants**	
11:00	**Chairman: Fatiha Nothias** **Keynote Speaker 1: Abdelhamid BENAZZOUZ** Deep brain electrical stimulation for neurological and psychiatric disorders	
12:00	**Invited Lecturer1: Frédéric ROGER**	
13:00	**Lunch**	
	Chairman: Rose Noëlle VANNIER	**Chairman: Laurent ALVAREZ**
14:30	**Invited Lecturer2: Damien JACOB**	**Invited Lecturer3: J. L. BANTIGNIES**
15:00	**Invited Lecturer4: Khalid BOULAYHA**	**Invited Lecturer5: Abdelali RAHMANI**
15:30	**Session S1**	**Session S2**
17:30	**Coffee Break and Poster session A**	
	Thursday, April 18, 2019	
09:00	**Chairman: Damien JACOB** **Keynote Speaker 2: Christian COLLIEX**	
10:00	**Coffee Break and Poster session B**	
	Chairman: Frédéric ROGER	**Chairman: J. L. BANTIGNIES**
10:30	**Invited Lecturer6: R. Noëlle VANNIER**	**Invited Lecturer7: Laurent ALVAREZ**
11:00	**Session S3**	**Session S4**
13:00	**Lunch**	
15:00	**Tour**	
20:00	**Gala Dinner**	
	Friday, April 19, 2019	
09:00	**Chairman: Christian COLLIEX** **Keynote Speaker 3: Patrick CORDIER**	
10:00	**Coffee Break and Poster session C**	
10:30	**Chairman: Khalid BOULAYHA** **Invited Lecturer8: Lahcen KHOUCHAF** **Invited Lecturer10: Brahim Elouadi**	**Chairman: Abdelhamid BENAZZOUZ** **Invited Lecturer9: Fatiha Nothias** **Invited Lecturer11: Ibrahimi Azeddine**
11:30	**Session S5**	**Session S6**
13:00	**Lunch**	
	Chairman: Lahcen KHOUCHAF	Chairman: **Abdelali RAHMANI**
15:00	**Invited Lecturer12: Haosu Luo**	Invited Lecturer13: **Mabrouk BENHAMOU**
15:30	**Session S7**	**Session S8**
17:30	**Coffee Break and Poster session D**	
18:00	**Closing**	