

Curriculum Vitae – Dr. (equivalent Prof.) Thierry Epicier – 2018/10

Personal Data

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Born: September 16, 1957, France

Citizenship: French

Professional Experience

- 2016 - present Deputy Director National Research Federation 'METSA': Microscopie Electronique en Transmission et Sonde Atomique, FR CNRS 3507, France
- 2012 - 2015 Director National Research Federation 'METSA': Microscopie Electronique en Transmission et Sonde Atomique, FR CNRS 3507, France
- 2013-2014 CNRS Research Director temporary position at IRCELYON, umr CNRS 5256, University Claude Bernard Lyon I, Villeurbanne, France
- 2003 - present CNRS Research Director (equivalent Full Professor), GEMPPM-MATEIS (new name 2007), umr CNRS 5510, INSA de Lyon, Villeurbanne, France
- 2001 CNRS Researcher, LTDS, umr CNRS 5513, Ecole Centrale de Lyon, Ecully, France
- 1983 - 2003 CNRS Researcher, GEMPPM, umr CNRS 341, INSA de Lyon, Villeurbanne, France
- 1988-89 Post-doc, National Center for Electron Microscopy (NCEM), LBNL, University of Berkeley, CA, USA

Education

- 1983-1988 French 'Doctorat d'Etat' (becoming 'Habilitation thesis' after 1984), INSA-Lyon, France
- 1980-1982 Doctor-Engineer thesis, specialization Materials Science, University Claude Bernard Lyon I - INSA de Lyon - ECL, Lyon-Villeurbanne-Ecully, France
- 1980 Master's in Material and Surface Sciences, University Claude Bernard Lyon I - INSA de Lyon - ECL, Lyon-Villeurbanne-Ecully, France
- 1977-1980 "Ingénieur" of the Ecole Centrale de Lyon, France
- 1975-1977 "Classes préparatoires", Lycée B. Pascal, Clermont-Fd, France

Awards and Honors

2016	President of the XVI th European Microscopy Congress EMC2016
2010	Invited Professor, Institute of Materials Research, Tohoku University, Sendai, Japan
1988-1989	OTAN Post-Doc scholarship

Selected Professional Activities

- Member of the International Advisory Board, XIX^o International Microscopy Congress IMC2018 (imc19.com, 9-14 September 2018, Sidney, Australia).
- Co-organizer of the Workshop GLEEM: Gas and Liquid Environmental Electron Microscopy, www.cnrs.fr/mi/spip.php?article953, Paris, France 13-14 December 2016.
- Member of the Scientific Committee of the symposium 'Advanced Multiscale Microstructural Studies' at the Annual Meeting of the French Society for Materials and Metallurgy SF2M www.sf2m.fr/JA2017/ (Lyon, France, 23-25 October 2017).
- President of the XVIth European Microscopy Congress EMC2016 (www.emc2016.fr) at Lyon, France, 28 August - 2 September 2016.
- Coordinator of the French ANR (National Research Agency www.anr.fr) program 3DCLEAN ('3D Catalytic Environmental Lab at the Nanoscale, 2015-2019).
- Organizer of IWETEM: International Workshop on Environmental Transmission Electron Microscopy, Lyon, France, 26/11/2013 (see EMS Year Book 2014).
- Member of the board of the European Microscopy Society (EMS, www.euremicsoc.org/) 2012-2020.
- Co-organizer of symposia on Nano-objects at the XI^o and XII^o Colloque of the French Society of Microscopies ((22-26 June 2009, Paris and Strasbourg, 27 June - 1st July 2011).
- Editorial board of Journal of Microscopy, 2013 - present.
- Co-responsible for the 'EMINA' Program: Electron Microscopy of Nanostructures, ElyT-lab. www.elyt-lab.com, Lyon-Sendai International lab., 2009-2012.
- Coordinator of the French ANR (National Research Agency www.anr.fr) program CONTRA-PRECI ('Stresses and Precipitation', 2006-2009).
- Manager of the Microscopy Team (10-15 people), MATEIS, INSA-Lyon, France, 2003-2010.
- Member of the Steering Committee of the French Society of Microscopies (Société Française des Microscopies SFμ www.sfmul.fr, former Société Française de Microscopie Electronique SFME) 1992-1997; member of the board (Physicist Secretary) 1997-2000 and 2009-2011.

Publications – H-factor: 30 (Google Scholar)

- 132 peer reviewed original manuscripts
- 7 book chapters
- More than 100 other publications (extended peer-reviewed Conference Proceedings,...)
- 81 invited conferences (among which 50 in International meetings, 61 as presenter)

Selected Publications (10 relevant publications)

- H. Banjak, T. Grenier, **T. Epicier**, S. Koneti, L. Roiban, A-S. Gay, I. Magnin, F. Peyrin, V. Maxim, Evaluation of noise and blur effects with SIRT-FISTA-TV reconstruction algorithm: Application to fast environmental transmission electron tomography, *Ultramicroscopy*, 189, (2018), 109-123 ; DOI: 10.1016/j.ultramic.2018.03.022..
- M. Bugnet, S. H. Overbury, Z. Wu, **T. Epicier**, Direct visualization and control of atomic mobility at {100} surfaces of ceria in the environmental transmission electron microscope, *Nano Letters*, 17 12, 7652-7658, (2017).
- A.M. Gänzler, M. Casapu, P. Vernoux, S. Loridant, F.J. Cadete Santos Aires, **T. Epicier**, B. Betz, R. Hoyer, J-D. Grunwaldt, Tuning the structure of Pt particles on ceria in situ for enhancing the catalytic performance of exhaust gas catalysts, *Angew. Chem. Int. Ed.*, 56, 42, 13078-13082, (2017).
- Z. Liu, J. Siegel, M. Garcia-Lechuga, **T. Epicier**, Y. Lefkir, S. Reynaud, M. Bugnet, F. Vocanson, J. Solis, G. Vitrant, N. Destouches, Three-Dimensional Self-Organization in Nanocomposite Layered Systems by Ultrafast Laser Pulses, *ACS Nano*, (2017), 11 5, 5031-5040, (2017).
- M. Aouine, **T. Epicier**, J.M. Millet, In Situ Environmental STEM Study of the MoVTe Oxide M1 Phase Catalysts for Ethane Oxidative Dehydrogenation, *ACS Catal.* 6, 4775-4781, (2016).
- F. Tournus, K. Sato, **T. Epicier**, T. J. Konno, V. Dupuis, Multi-L10 domain CoPt and FePt nanoparticles revealed by electron microscopy, *Phys. Rev. Letters*, 110, 055501, (2013).
- **T. Epicier**, G. Boulon, W. Zhao, M. Guzik, , B. Jiang, A. Ikesue, L. Esposito, Spatial distribution of the Yb³⁺ rare earth ions in Y₃Al₅O₁₂ and Y₂O₃ optical ceramics as analyzed by TEM, *Journal of Materials Chemistry*, 22, 18221 (2012).
- E. Calvié, L. Joly-Pottuz, C. Esnouf, P. Clément, V. Garnier, J. Chevalier, Y. Jorand, A. Malchère, **T. Epicier**, K. Masenelli-Varlot, Real time TEM observation of room temperature plasticity in nano-crystalline alumina ceramic particles, *Journal of the European Ceramic Society*, 32, 2067-2071, (2012).
- E. Clouet, L. Laé, **T. Epicier**, W. Lefebvre, M. Nastar, A. Deschamps, Complex Kinetic Pathways in Multi-component Alloys, *Nature Materials*, 5, (2006) , 482-488.
- **T. Epicier**, M.A. O-Keefe, G. Thomas, atomic imaging of 3:2 mullite, *Acta Cryst.*, A46, 948-962, (1990).