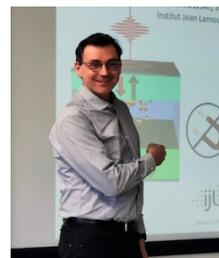


MANGIN, Stéphane

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EDUCATION

2006 Habilitation Université Henry Poincaré (UHP) - Nancy
1997 Ph.D in Physics, "Domain wall nucleation and propagation in a nanostructure: The domain wall junction" Université Joseph Fourier (UJF) - Grenoble
1994 M.S in Physics – Condensed matter (UJF) - Grenoble

EMPLOYMENT AND PROFESSIONAL EXPERIENCE

2008- Full Professor - Université de Lorraine (UL) – Nancy (France)
2010 - Head of the Nanomagnetism & spintronic team (15 permanent faculties and researchers +15 PhD students, 10 Post-Doc, 10 visitors) at IJL in Nancy (France): 1 M€ by year
2012- Scientific director of the TUBE Davm project. Budget: 19 M€
2015- Co-Founder of the French-US International Associated Laboratory on Nanoelectronics on UCSD Campus
2016- 2020 Head of “Nanomaterials for smart sensors” project : Université de Lorraine. Budget: 2,5 M€ for 4 years
2021- 22 Invited Professor at the Cavendish Laboratory - University of Cambridge
2012-13 Invited professor University of California San Diego (USA)
2004-05 Visiting scientist l’Almaden- HITACHI Research Center California San José (USA)
1998-07 Assistant professor UHP Nancy (France)
1997-98 Post-Doc Laboratorium VSM – KU-Leuven (Belgique)

HONORS

- 2007: Junior Member of the "Institut universitaire de France"
- 2007: Grand Prix de la Recherche from the « industrielle de l'Est » society
- 2008: First Price régional du chercheur from the Lorraine province
- 2012: IEEE Senior member
- 2015: Member of Lorraine Academy of Science (ALS)
- 2017: Senior Member of the "Institut universitaire de France"
- 2018: Fellow of the American Physical Society
- 2021: Fellow of the IEEE Magnetic Society
- 2021: Fellow at Churchill College – Cambridge

PUBLICATIONS

- 209 publications -187 publications in peer reviewed journals (1 Science, 3 Nature Mat, 7 Adv. Mater, 2 Nature Electronics, 5 Nano Lett, 2 Nature Com, 2 Adv. Science 8 Phys. Rev. Lett.) 6 revue papers, 16 publications in conferences proceedings
- 2 Editorials pour Euro. phys. J. B, special issue “Exchange bias” (2005) “Spin Transfer” (2007)
- 1 book chapter in Springer Tracts Modern Physics "Magnetic Nanostructures"
- 87 invited talks in international conferences and workshops (MMM, MML, Intermag, MRS)
- 90 invited seminars in international laboratories
- 7 tutorials in international school or conferences
- 146 oral presentations (128 in international conferences and 18 in French meeting)

TEACHING ACTIVITIES

- 1996- Faculté des Sciences et Technologies (UL- France)
(Mécanique, électromagnétisme, optique, thermodynamique, physique du solide)
École des Mines de Nancy, (UL- France) (Mécanique quantique, physique statistique, physique du solide, mathématiques pour la physique, nano-magnétisme)
- 2012-2013 Department of Engineering, (UCSD -USA): lectures on nanomagnetism, nanomaterials, dielectrics, spintronics.
- 2014-2015 Department of Physics, (New York University - USA): lectures on electrostatics

STUDENTS and POST-DOC SUPERVISION

2003- : 27 Master Students, 23 PhD Students; 18 Post-Docs ; 36 co-directed Internship with International Laboratories at UC San Diego, New York University, NTHU-Taiwan, Tohoku University

CONFERENCE ORGANISATION

- Conference chair of 15 international conferences : International Workshop on spin transfer", IWST'06 Nancy (2006); "Magnetic Single Nano-Object Workshop", M-SNOW'08 Nancy (2008) International Workshop on spin transfer", IWST'11 Nancy (2011) "Magnetic Single Nano-Object Workshop", M-SNOW'12 Les Houches (2012) ,), M-SNOW'14 Nancy (2014), One day workshop on interaction between light and Nanomagnetism (2015), International French- USA Workshop – IWST'16 Nancy (2016) One day workshop on Magnetisation dynamic in Nano-object (2017), IEEE Frontiers in Magnetism: Topological insulators and outlook for technology – Nancy (2017) <https://topo-insulators.event.univ-lorraine.fr> , One day workshop on Magnetic Nano-object (2017), Magnetic Single Nano-Object Workshop M-SNOW'18 Nancy (2018) , One day workshop on Nano-magnetism and Spintronic /TU Eindhoven- Lorraine (2019), Tohoku- Mainz- Lorraine Spintronic Workshop - Nancy (2019), Mini-Workshop on Nano-Magnetism – Nancy (2020), Ultrafast Magnetism Conference UMC-2021 – Nancy (2021)
- Co-chair of 20 international conferences – World Materials Forum, Nancy from 2015 to 2021
- Program Co-Chair: MMM Conference – New Orleans (2016)
- Topic organizer: Euromat Glasgow (2009); APS march meeting Dallas (2011)
- Member of "Program Committee": Joint MMM-Intermag Conference – San Diego (2016); ICM – San Francisco (2018), MMM Conference – Las Vegas (2019)
- Referee for PhD or Habilitation (HDR) defense: 52

OUTREACH ACTIVITIES

- Main organizer of 2 conferences for highschool students: « Le magnétisme dans tous ses états » in Gérardmer (2002) « La supra dans tous ses états » at Nancy (2011)
- 69 presentations in class room, amphitheatre for elementary, middle school and highschool students in France and abroad and for general public.
- Organiser of the "Olympiades de Physiques" (2015)
- Speaker at "Palais de la Découverte » (Paris Science Museum) for several presentations on nanomagnetism (2020)

MAINS COLLABORATIONS

- Prof Eric Fullerton, director of Center for Memory and Recording Research (CMRR) à University California San Diego: (USA); Member of National Academy of Engineering, 55 joint publications, two co-directed theses, 10 co-directed internships, creation of an international laboratory in Nano-electronics. Joint organization of international conferences
- Prof Andrew Kent, director of Center for Quantum Phenomena à New York University (USA); 18 joint publications, a co-supervised thesis, 7 co-supervised internships
- Prof Weisheng Zhao, director of Fert Beijing Institute, à Beihang University (Chine), 8 joint publications, 10 students were part of exchange programs
- Prof Hideo Ohno, President of Tohoku Université. Signature of a collaboration agreement (Tohoku University - Université de Lorraine) 4 joint publications, 3 co-directed internships