

1st IEEE France Sensors Chapter Workshop

The 1st IEEE France Sensors chapter workshop was held on 18th to 19th June 2018 in Nancy. This workshop program reflected a wide spectrum of research topics on emerging technologies in sensors, electronics and microelectronics, IoT, materials, biomedical etc., building bridges between various research fields. IEEE France Sensors Chapter was established this year and has emerged as a unique opportunity where French academics and industries can present their research to explore joint collaborations in sensors. The 1st 2018 workshop event had a perfect mix of different French laboratories and universities sessions with multidisciplinary tracks providing something for all the 75+ participants including students, researchers, university professors and companies working in the field of emerging technologies in sensors, electronics, materials, microelectronics, communications, etc. The invited speakers of this workshop included internationally recognized experts in the relevant field of emerging technologies over France.

The workshop started by Prof. Ravinder Dahiya (IEEE Distinguished Lecturer) from the University of Glasgow. Multidisciplinary talks delivered focusing on new technologies in emerging areas such as Electronic Skin in Robotics, Wireless passive sensors, wave-based and printed micro-transducers for environmental and health- related applications, new insights towards the digital world and IoT, Nanomaterials for biosensing amplification, sensors based on Acousto-electronic, magneto-acoustic, or quasi-bosonic microstructures, Spin electronics based magnetic sensors for large volume applications, Internet Industriel, energy harvesting, etc.

There were 18 invited lectures in the workshop. The expert speakers included Prof. Robert Plana, Assystem company, Dr. Patrick Pons, LAAS-CNRS (Toulouse), Prof. Corinne Dejous, IMS (Bordeaux), Dr. Nicole Jaffrezic, INL (Lyon), Prof. Philippe Pernod, IEMN (Lille), Prof. Laurent Pichon, IETR (Rennes), Dr. Thierry Laroche, Frecn|sys company, Emmanuel Le Clézio, IES (Montpellier), Prof. Jérôme Brunet, Insitut Pascal (Clermont-Ferrand), Prof. Stéphane Mangin, IJL (Nancy), Prof. Claire Baraduc, SPINTEC (Grenoble), Prof. Thérèse Leblois, FEMTO-ST (Besançon), Prof. Claude Fermon & Myriam Pannetier, SPEC_CEA-Saclay, Dr. Sandrine Bernardini, IM2NP (Marseille), Prof. Jean- Paul Salvestrini, Georgia Tech Lorraine and Prof. Elie Lefeuvre, C2N (Paris). Furthermore, a poster session has been organized during the workshop which presents the research of 20 teams from different French universities. At the end of workshop, the general



Industry lecture from ASSYSTEM company at the IEEE France Sensors chapter



Attendees of the workshop.



Presentation of IEEE YP and WiSE activities

assembly was the occasion to elect a first chapter board, and to discuss and validate a new development strategy going forward. Chapter members also had the opportunity to visit the brand-new facilities of Insitut Jean Lamour (<https://ijl.univ-lorraine.fr/en/a-la-une/>).

The social events during the workshop were also heavily attended giving a great opportunity for networking and enjoying Nancy during a very pleasant couple of day's weather. As this workshop was a success, we plan to organize further events in various French cities. Thus, all participants are committed to motivating their students to participate in IEEE's young professional network and women in sensors.

We would like to acknowledge the important role played by the IEEE Sensors Council and the local organization committee (University of Nancy and Insitut Jean Lamour) for support of this workshop.

Board Members

Sami Hage-Ali, IJL, Nancy, Chairperson

Hamida Hallil, IMS, Bordeaux, Deputy Chairperson

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Elie Lefeuvre, C2N, Paris, Bid for IEEE Sensors Conference in France

Sandrine Bernardini, IM2NP, Marseille, Young Professionals & Women in Sensors for this chapter



Workshop dinner