RFIC 2016 Lunchtime Panel Session

Monday, 23 May 2016
12:00–13:00
San Francisco Marriott Marquis, Nob Hill A–D

Bio-Electronics: Silicon in MY Body?!

Panel Organizers and Moderators:
Francois Rivet, University of Bordeaux, France
J.C. Chiao, University of Texas at Arlington, USA

Panelists: Harm Tenhoff, CEO, BayLink, USA
Amin Arbabian, Assistant Professor, Stanford University, USA
Perry Li, Principal Engineer, St. Jude Medical, USA
Mehdi Kiani, Assistant Professor, Pennsylvania State University, USA
Arjang Hassibi, Founder & CEO, InSilixa, USA

Abstract: In the upcoming decades we expect to witness a proliferation of bio-electronics, providing everyone with affordable powerful technologies for personalized medicine that can not only monitor, but also enhance, improve or repair critical human body functions. This will have a profound impact on life expectancy and quality, but are we prepared for such revolution? Empowering patients with control over their own conditions and providing tools for caregivers with continuous diagnosis and treatment will lead to precision medicine and lower costs. But what would be in the wish-list for the commercial development of such systems? What would this involve in terms of standards, security, safety, privacy, ethical and legal aspects that electronic industries need to consider? And who will bear the costs of research and development or failures of whatever nature, compared to the experience in other pharmaceutical sectors? What would be the social acceptance and impact for this type of electronics? These and more questions are to be debated with the panelists and the audience. Make sure to order the silicon-free lunch box for this lunchtime session.