Microfluidics &biodevices

December 14th, 2023, 10:00-17:30

Amphi Mines 200, Campus ARTEM, Nancy, France

10:00-10:30	**Welcome and Opening Session (Prof. Omar ELMAZRIA)**
10:30-12:15	**Session #1: Microfluidics and related physical phenomena session**
	**10:30-11:00: Prof. Jun KONDOH** ***Development of microfluidic system using SAW devices*** Shizuoka University, Japan
	**11:00-11:30:** Dr. **Cécile LEMAITRE** ***Microfluidics and modelling*** LRGP, Nancy, France
	**11:30-11:45: Dr. Cécile FLOER** ***Lab on chip devices based on surface acoustic waves for biomedical purposes*** IJL, Nancy, France
	**11:45-12:15: Prof. Michael BAUDOIN** ***Acoustics for microfluidics or "acoustofluidics"*** IEMN, Lille, France
12:15-14:15	**Lunch Break @ Institut Jean Lamour (Jardin d'Hiver)**
14:15-17:30	**Session #2: Biodevices and diagnostics**
	**14:15-14:45: Prof. Olfa KANOUN** (IEEE Instrumentation & Measurements Society Distinguished Lecturer) ***Impedance Spectroscopy for Measurement and Sensor Solutions*** TU Chemnitz, Germany
	**14:45-15:00: Dr. Julien CLAUDEL** ***Lab on chip devices based on bio-impedance for cells analysis and monitoring*** IJL, Nancy, France
	**15:00-15:15: Prof. Frédéric SARRY** ***Simulatory approach to determine the stress of the cells*** IJL, Nancy, France
	**15:15-15:45: Prof. Anas AZZAM** ***Development of portable and cost effective Lab-on-chip for virus detection.*** Mechanical and Nuclear Engineering, Khalifa University
15h45-16:15	**Coffee Break**
	**16:15-16:45: Prof. Karla PEREZ TORALLA** ***Microfluidics for detection and diagnostics*** CEA, Paris-Saclay, France
	**16:45-17:00: Prof. Halima ALEM** ***Microfluidics for cancer therapy*** IJL, Nancy, France
	**17:00-17:30: Suelia FLEURY-ROSA** (IEEE Engineering in Medicine & Biotechnology Society Distinguished Lecturer) ***Utilizing Organs-on-a-Chip in Biomedical Engineering and Biotechnology as an Alternative to High-Throughput Models*** University of Brasilia, Brazil


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