

Seminar

“Sensors for environment: theoretical and experimental study”

5th December 2022

Amphitheater Marcel Dassault-ESIEE, Univ. Gustave Eiffel

9h30-9h45	Introduction (Michel BORNERT and Cerise RANDON)
9h45-10h15	“Micro air sensors : promises and risks” Chantal DERKENNE (ADEME)
10h15-11h45	“Molecular material - based heterojunctions for polluting gas sensing” Marcel BOUVET (EMMD, ICMUP)
10h45-11h	Coffee break
11h-11h30	“Computational study of an EGO-FET-type aptasensor to detect ampicillin” Florent BARBAULT (ITODYS, UNIVERSITE DENIS DIDEROT)
11h30-12h	“Optimizing liquid-solid slip in nanofluidic systems” Laurent JOLY (ILM, UNIVERSITE LYON 1)
12h-12h30	“Air quality simulations for urban planning strategies - application to Sense-City and to a Paris district” Julien WAEYTENS (IMSE, UGE)
12h30-14h	Lunch
14h-14h30	“Graphene biosensors” Jérôme BORME (2D Materials and Devices Research Group, INL)
14h30-15h	“ZnO nanostructures based innovative photocatalytic materials for water depollution” Yamin LEPRINCE (ESYCOM, UGE)
15h-15h30	“Microdevices for aerosol and bioaerosol analysis” Emmanuelle ALGRE (ESIEE, UGE)
15h30-15h45	Coffee break
15h45-16h15	“Environmentally friendly Graphene and MXene functional inks for the water and sensor technologies” Silva SANKAR (2D Materials and Devices Research Group, INL)
16h15-16h45	“Functionalization effect of SWNT(8,0) on gas detection” Mohamed BENSIFIA (MSME, UGE)
16h45-17h15	“NO ₂ Gas Sensors Based on Solution-Processed Functionalized Graphene Materials” Mbaye DIENG (IMSE, UGE & ICMPE, UPEC)
17h15-17h30	Conclusion (Céline LEONARD)