

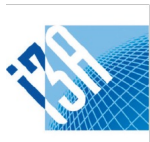
XI Franco-Spanish Workshop IBERNAM-CMC2

“Sensor Technologies Contributing to the achievement of the SDGs”

9-10th November 2023, Zaragoza (Spain)

Conference Room. I+D Building.

Campus Río Ebro. Universidad de Zaragoza (Spain)



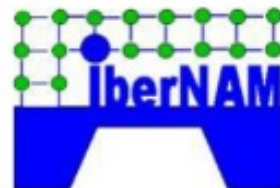
Instituto Universitario de Investigación
de Ingeniería de Aragón
Universidad Zaragoza



Universidad
Zaragoza



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



November 9th Thursday. Class Room, 1st Floor. I+D Building. Campus Río Ebro. C/Mariano Esquillor s/n. 50018 Zaragoza.

9:30

Registration/Coffee

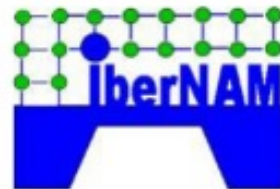
10:20 Welcome

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE; SDG 11: SUSTAINABLE CITIES AND COMMUNITIES; SDG13: CLIMATE ACTION

10:30 Oral Presentation	Dr. Matilde Rieu	Protection of NOx sensors from sulfur poisoning in glass furnaces by the optimization of "SO2 trap"
10:50 Oral Presentation	MSc. Amira Benayache	Design and miniaturization of an electrochemical oxygen sensor
11:10 Oral Presentation	Dr. Helene Debeda	Performances under vapors of uncoated and coated printed piezoelectric sensors
11:30 Oral Presentation	Msc. Kissia Batista	Advancing on the Detection of Chemical Warfare Agents in gas phase: Leveraging SERS Technology and Nano-porous Architectures
11:50 Oral Presentation	MSc. Ignasi Fort	Developing Conductive MOFs for Chemiresistive Greenhouse Gas Sensors
12:10 Oral Presentation	MSc. Shuja B. Malik	Tungsten disulfide (WS2) flakes synthesized via APCVD for ppb level NO2 detection
12:30 Oral Presentation	Prof. Pilar Marín	Ultrasensitive gas sensor based on a few-layered mesoporous graphene obtained by mechanical alloying

13:00

Lunch-BETHANCOURT BUILDING



November 9th Thursday. Conference Room, 1st Floor. I+D Building. Campus Río Ebro. C/Mariano Esquillor s/n. 50018 Zaragoza.

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE; SDG 11: SUSTAINABLE CITIES AND COMMUNITIES; SDG13: CLIMATE ACTION

15:00 Invited Talk-IEEE Sensors Council Prof. Giancarlo Fortino. Community-Oriented Wearable Computing Systems: A Paradigm Shift to Monitor and Control Cooperative Groups of People.

15:40 Oral Presentation Msc. Daniel Enériz Edge AI for Sensor Fusion using FPGAs

16:00 Oral Presentation Prof. Jesús Lozano Electronic nose integration in a smartwatch

16:20 Oral Presentation MSc. Alejandro Santos Development of a Wireless Sensor Network. for Air Quality Monitoring

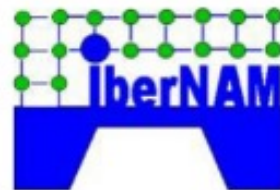
16:40 Oral Presentation Dr. Eric Navarrete NanoChronia, a SpinOff enabling the pivot to the green

17:00 **Coffee Break//Poster Session**

17:00 **General Assembly IBERNAM**

20:00 **TOURISTIC VISIT: Meeting Point Hotel ALFONSO C. del Coso, 15-17, 19, 50003 Zaragoza**

21:00 **SOCIAL DINNER EL MONTAL (C/ Torre Nueva nº 29 (Esq. Plaza S.Felipe) 50003 Zaragoza**



November 10th-Friday. Conference Room, 1st Floor. I+D Building. Campus Río Ebro. C/Mariano Esquillor s/n. 50018 Zaragoza.

SDG 3: GOOD HEALTH AND WELL BEING; SDG12: RESPONSIBLE COMSUPTION AND PRODUCTION

9:00 Oral Presentation	Dr. Carlos Ruíz	Extra Virgin Olive Oil Adulteration Assessment by means of Ratiometric Fluorescence Spectroscopy
9:20 Oral Presentation	Prof. Nicole Jaffrezic	Chitosan, a biosourced polysaccharide for the design of biosensors
9:40 Oral Presentation	Prof. María Luz Rodríguez	Improving the performance of a bioelectronic tongue using combinations of nanoparticles and enzymes. Simultaneous analysis of phenols, sugars and organic acids in wines.
10:00 Invited Talk-IEEE Sensors Council	Prof. Pantelis Georgiou.	Microchip Technology enabling Rapid Diagnostics for Infectious Diseases – From AMR to COVID-19.

10:40

Coffee Break//Poster Session

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE; SDG12: RESPONSIBLE COMSUPTION AND PRODUCTION; SDG13: CLIMATE ACTION

11:10 Oral Presentation	Prof. Marcel Bouvet	Corrole-phthalocyanine double layer and double lateral heterojunction devices as gas sensors
11:30 Oral Presentation	Dr. Edgar Muñoz	Fabrication and laser patterning of transparent silver nanowire/ 2D oligoglycine tectomer hybrid electrodes
11:50 Oral Presentation	MSc. Reem El Attar	Organic Electrochemical Transistor (OECT) based Zn ²⁺ biosensor
12:10 Oral Presentation	Dr. Alejandro Ansón	Metal-free dyes with deep HOMO level for TiO ₂ sensitization
12:30 Oral Presentation	MSc. Jorge Fantova	Versatility of ultrafast Bessel Beams for the fabrication of embedded devices in transparent materials

12:50

Closing Ceremony-Student Awards

13:10

Lunch-BETHANCOURT BUILDING-Farewell