RamanFest Paris | FRANCE November 04-05 2026

Tentative Program

(as of 29/10/2026)

Wednesday November 04, 2026

08:00-08:45	**Registration**	
08:45-09:15	**Opening ceremony**	
S1 · BIO & HEALTHCARE – Diagnosis, Microbiology and SERS Biosensing for Precision Medicine		
09:15-09:55	**Juergen Popp** (Leibniz-IPHT, Germany) From Molecular Raman Fingerprints to AI-Driven Precision Medicine	P
09:55-10:25	**Giulia Manina** (Institut Pasteur, France) Mycobacterial phenotypic variation: Insights and opportunities	K
10:25-11:30	**Coffee Break / Poster Session / Exhibition**	
11:30-11:45	**Julia Gala de Pablo** (University of Leeds, UK) Raman Vibrational Imaging of Colorectal Cancer Progression	O
11:45-12:00	**Danylo Komisar** (Lightnovo ApS, Denmark) Raman Spectroscopy for In Vivo Bacterial Infection Diagnostics: From Animal Models to Patient Samples	O
12:00-12:15	**Jean-Christophe Blancon** (Liom Health, Switzerland) From benchtop to the wrist: calibration-free, robust transcutaneous spectroscopy for noninvasive glucose sensing	O
Company Flash Talks		
12:15-12:20	Specto Photonics	
12:20-12:25	Lightnovo	
12:25-12:30	Polytec	
12:30-12:35	HORIBA	
12:35-13:40	**Lunch & Poster Session / Exhibition**	
13:40-14:15	**Poster Session 1**	
S2 · NOVEL / RENEWABLE ENERGIES – Catalysis, Batteries, Electrochemistry and Carbon Capture Monitored Operando		
14:15-14:45	**Miguel A. Bañares** (CSIC-Instituto de Catalisis, Spain) Raman to monitor changing materials and materials in change	K
14:45-15:05	**Juan Carlos González Rosillo** (IREC, Spain) Nanoscale imaging of grain boundaries in ceramic energy devices and operando battery chemistry via Tip-Enhanced Raman Spectroscopy	I
15:05-15:25	**Rudolph Erasmus** (University of the Witwatersrand, Johannesburg, South Africa) Variable temperature Raman spectroscopy: a "benchtop" technique to complement synchrotron characterisation.	I
15:25-15:40	**Madjid Tarabet** (HORIBA France SAS, France) In Situ EC-Raman Analysis of Ni-based Layered Double Hydroxide Phase Transition Under Alkaline OER	O
15:40-15:55	**Jessica Gabb** (IS-Instruments, UK) Hollow-Core Fibre–Enhanced Raman Spectroscopy of High-Pressure Gases	O
15:55-17:00	**Coffee Break / Poster Session / Exhibition**	

S3 · ARTIFICIAL INTELLIGENCE – Machine Learning, Chemometrics and Explainable AI Applied to Raman Spectroscopy		
17:00-17:30	**Sylvie Roussel** (Ondalys, France) Machine Learning for Raman Spectroscopy: From Spectra to Robust Industrial Models	K
17:30-17:50	**Cyril Ruckebusch** (University of Lille, France) Chemometrics-driven data acquisition to accelerate confocal Raman imaging	I
17:50-18:05	**Nathan Blake** (Kings College London, UK) Causal Responsibility Based Explainable AI for Raman Spectroscopy	O
18:05-18:20	**Kuo Zhan** (University of Oulu, Finland) Physics-Aligned Deep Learning Enables SM-SERS DNA Oligomers decoding	O
Session · Tribute to Dietrich R.T. Zahn – TERS and Semiconductor Nanostructures, a Career Dedicated to Raman		
18:20-18:30	Tribute to Dietrich R.T. Zahn	
18:30-19:00	**Dietrich RT Zahn** (TU Chemnitz, Germany) Tip-enhanced Raman Spectroscopy and Photoluminescence of 0- and 2-dimensional Semiconductor Nanostructures	K
20:00	**Conference Dinner**	

Thursday November 05, 2026

S4 · ADVANCED RAMAN – Plasmonics, SERS, TERS, Modelling and Emerging Techniques		
09:00-09:30	**Ewelina Lipiec** (Jagiellonian University, Poland) Mind the gap! Plasmonic nanocavity for trapping of local molecular rearrangements in selected biomolecules	K
09:30-09:50	**Tommaso Giovannini** (University of Rome Tor Vergata, Italy) Surface-Enhanced Raman Scattering: Insights from Atomistic Modelling	I
09:50-10:10	**Claire Mangeney** (Université Paris - Descartes, France) SERS-Encoded Metallic Nanoparticles Based on Aryl Diazonium Chemistry for Raman Imaging and Nanosensing	I
10:10-10:25	**Eleonora Bolli** (CNR-ISM, Italy) Nanoscale Chemical Mapping and Local Heterogeneity in PEPOT/SSp-PTh Polymer Blends	O
10:25-10:40	**Morteza Behrouzitabar** (Specto Photonics, Italy) Full vibrational spectroscopy for simultaneous mechanical, structural and chemical analysis	O
10:40-11:45	**Coffee Break / Poster Session / Exhibition**	
S5 · ENVIRONMENT, INDUSTRY & PROCESS – Microplastics, Quality Control, Industrial Process Monitoring and Bioprocesses		
11:45-12:15	**Andrea Mario Rossi** (INRIM, Italy) Microplastics and Nanoplastics in Drinking Water: Quantification and Polymer Identification	K
12:15-12:30	**Eric Michele Fantuzzi** (Cambridge Raman Imaging, Italy) Single-Shot Multiplex SRS: High-Throughput Chemical Imaging for Industrial Quality Control and Environmental Monitoring	O
12:30-12:45	**Nicole Dambruin** (TU Delft, The Netherlands) Investigation of different methods for quantitative microbial biomass monitoring in microbial fermentations using Raman spectroscopy	O
12:45-13:00	**Andrea Chiarello** (University of Padova, Italy) Real-time detection of gas-producing bacteria in milk by Raman spectroscopy	O
13:00-14:00	**Lunch & Poster Session / Exhibition**	
14:00-14:20	**Poster Session 2**	
14:20-14:30	Poster Awards Ceremony	
S6 · SEMICONDUCTORS & INNOVATIVE MATERIALS – Graphene, 2D Materials and Semiconductors: From Metrology to Production		
14:30-15:10	**Andrea Ferrari** (Cambridge Graphene Centre / University of Cambridge, UK) Chemometric Raman Imaging	P
15:10-15:30	**Cinzia Casiraghi** (University of Manchester, UK) Raman Spectroscopy of Graphene: From Metrology and Manufacturing to Qualification in Extreme Environments	I
15:30-15:50	**Van Hoan Le** (CEA Leti, France) Characterization of MoS2 by Raman and Photoluminescence Spectroscopy: From Growth to Property Enhancement	I
15:50-16:05	**Yuhan Huang** (Université de Bordeaux, France) TERS with in situ mechanical loading for nanoscale stress probing in suspended graphene	O
16:05-16:20	**Manjunath Balagopalan** (International Iberian Nanotechnology Laboratory, Portugal) Grain-boundaries in nanocrystalline silicon: Insights from Raman Spectroscopy	O
16:20	**Concluding remarks and RamanFest2027 announcement**	