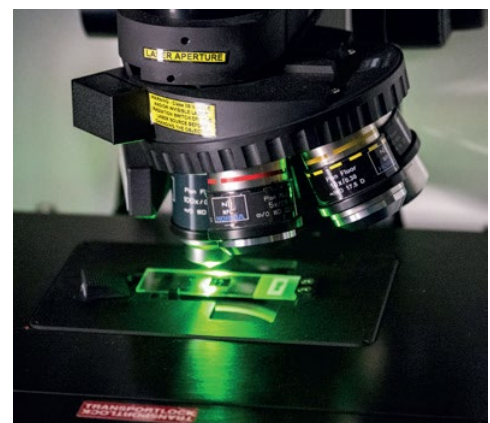


RAMAN DAY

Thursday, October 8th at 9h00

DISCOVER, CONNECT AND COLLABORATE



BRING YOUR OWN SAMPLES

Interested participants are welcome to bring their own samples and will have the possibility to receive a detailed report of Raman spectroscopy analyses carried out after the event.



Date: Thursday, October 8, 2026

Time: 9am – 4:30pm

Location: UNamur - Faculté des Sciences - Rue Joseph Grafé, 2 - 5000 Namur

The **University of Namur** (platform **LOS**) and **ST Instruments** are delighted to invite you to our upcoming event dedicated to the discovery of the new Raman microscope and its applications, bringing together researchers and industry professionals.

Raman spectroscopy

Enabling **rapid, non-destructive** chemical analysis of solids, thin films, powders, and liquids, this cutting-edge technology can be applied to a multitude of markets: energy, environment, polymers, life sciences, pharmaceuticals, nanomaterials, semiconductors, food, environment, paints, forensics, geology, or archaeometry.

Optimize your research, your analyses and stimulate your industrial partnerships

Throughout the day, you will have the opportunity to attend **expert lectures** on Raman spectroscopy, as well as participate in **hands-on sessions** and **technology demonstrations** rooted in real application cases. During those sessions, you will be able to interact with specialists from **ST Instruments**, **HORIBA** and the **Lasers, Optics & Spectroscopies** platform. A guided tour of the facilities is also scheduled and will offer you an exclusive opportunity to discover how the cutting-edge capabilities and expertise of the platform can support your research and innovation.

Presentations will be in English, and questions can be asked and answered in English or French during Q&A sessions. Hands-on sessions can be managed in English, French or Dutch.

This event allows doctoral students to obtain **1 ECTS credit**. A certificate of participation can also be issued on request.

We look forward to seeing you there!

Register now: <https://www.unamur.be/en/agenda/unamur-raman-day>

Registration is mandatory, free of charge and must be completed before **October 1st**.

Please note that the number of places is limited.

Agenda

Thursday, October 8

- | | |
|----------------------|--|
| 09:00 – 9:30 | Welcome Reception with coffee and pastries |
| 09:30 – 10:00 | Opening and introduction
<i>Benoît Champagne, Research Vice-Rector and Prof. Dr. Francesca Cecchet, responsible for Raman spectroscopy at UNamur</i> |
| 10:00 – 10:40 | Lecture 1 - Beyond Optical Spectroscopy: Combining Raman, Photoluminescence and AFM for Advanced Materials Characterization
<i>Dr Joao Lucas Rangel, HORIBA Scientist</i> |
| 10:40 – 11:20 | Lecture 2 - Raman Technologies for Life Sciences: From Microscopy to In Vivo Analysis and Biopharmaceutical Quality Control
<i>Dr Hichem KICHOU, HORIBA Scientist</i> |
| 11:20 – 12:00 | Lecture 3 - Raman Spectroscopy as a Reference Method for Microplastics Analysis
<i>Dr Alina Maltseva, HORIBA Scientist</i> |
| 12:00 – 12:30 | Lecture 4 - Future of measurements: Introduction of ST Instruments.
<i>Robin van den Berg, ST Instruments</i> |
| 12:30 – 14:00 | Lunch break |
| 14:00 – 16:00 | Practical Sessions <ul style="list-style-type: none">• <i>Live sample analysis</i>• <i>Guided lab tour</i>• <i>Q&A, contacts and practical aspects</i> |
| 16:00 – 16:30 | Closing session summary <ul style="list-style-type: none">• <i>Drink and snacks</i>• <i>Networking</i> |

Lectures & Speakers

1. Beyond Optical Spectroscopy: Combining Raman, Photoluminescence and AFM for Advanced Materials Characterization

Abstract

Understanding advanced materials requires more than a single characterization technique. Raman spectroscopy, photoluminescence (PL), and atomic force microscopy (AFM) provide complementary information on chemical composition, crystal structure, defects, optical properties, morphology, and local physical properties. Their combination enables a more complete understanding of the relationships between material structure, composition, and performance, from the microscale down to the nanoscale. This talk will highlight the benefits of combining these techniques for materials characterization, with applications in photonics, semiconductors, energy materials, polymers, ceramics, and nanomaterials. Particular attention will be given to correlative approaches and nanoscale characterization, where local phenomena and heterogeneities that cannot be resolved at the microscale can be directly investigated.

About the speaker

João Lucas Rangel, PhD is Global Product Manager for AFM-Raman & Raman at HORIBA France. He holds a PhD in Biomedical Engineering and has more than 15 years of experience in vibrational spectroscopy, with a strong background in Raman spectroscopy and advanced microscopy. His current activities focus on micro-Raman, AFM-Raman, TERS and the development of advanced characterization solutions.

2. Raman Technologies for Life Sciences: From Microscopy to In Vivo Analysis and Biopharmaceutical Quality Control

Abstract

Raman Technologies for Life Sciences explores the use of Raman spectroscopy across a broad range of life science applications, from high-resolution microscopy and molecular characterization to in vivo analysis and biopharmaceutical quality control. The presentation highlights how Raman technologies provide non-destructive, label-free molecular information, enabling researchers to better understand biological systems, monitor processes, and assess product quality. It also showcases the versatility of Raman solutions in addressing challenges throughout the life sciences workflow, from fundamental research to advanced analytical and quality control applications.

About the speaker

Dr. Hichem KICHOU is a Raman spectroscopy specialist with expertise in biomedical, cosmetic, and life science applications. He holds a PhD in analytical chemistry, with a focus on spectroscopic analysis and chemometrics. His work encompasses the development and validation of advanced Raman methodologies for in vivo, ex vivo, and in vitro characterization of biological tissues and cosmetic products, as well as high-throughput Raman-based methods for biopharmaceutical quality control.

3. Raman Spectroscopy as a Reference Method for Microplastics Analysis

Abstract

Raman spectroscopy is widely used for advanced materials research, but its capabilities also make it well suited for routine microplastics analysis. Its use as a reference analytical method is recognized in ISO standards, supporting reliable and standardized particle identification. This presentation introduces the principles of Raman-based microplastics analysis and showcases an automated workflow for detecting, identifying, and characterizing thousands of particles. It demonstrates how Raman spectroscopy can combine chemical information, standardization, and high-throughput analysis for routine microplastics characterization.

About the speaker

Dr. Alina Maltseva is a Market Application Specialist at HORIBA France. She holds a PhD in Physical Chemistry and has more than 10 years of experience in Raman spectroscopy and materials characterization across a wide range of applications.

For the past six years, she has focused on microplastics analysis, first working as an analytical specialist in the bottled water industry and now at HORIBA France. In her current role, she supports customers worldwide in developing robust and reliable Raman-based methods.

4. Future of measurements: Introduction of ST Instruments

About the speaker

Robin van den Berg, BSc is Product Specialist at STInstruments. He holds a degree in Chemical Engineering and Chemistry and has a strong background in technical service, application support, and professional advice. His career includes many years of hands-on experience as a Service Engineer and European Service Manager, giving him deep expertise in maintaining high-end instrumentation and supporting users across the region. After joining STInstruments, he took on the role of Product Specialist, where he is currently the primary contact and expert for the complete Horiba Scientific portfolio within the Benelux region. His activities focus on delivering tailored solutions and technical consultation to optimize scientific workflows.

5. Hands-on sessions

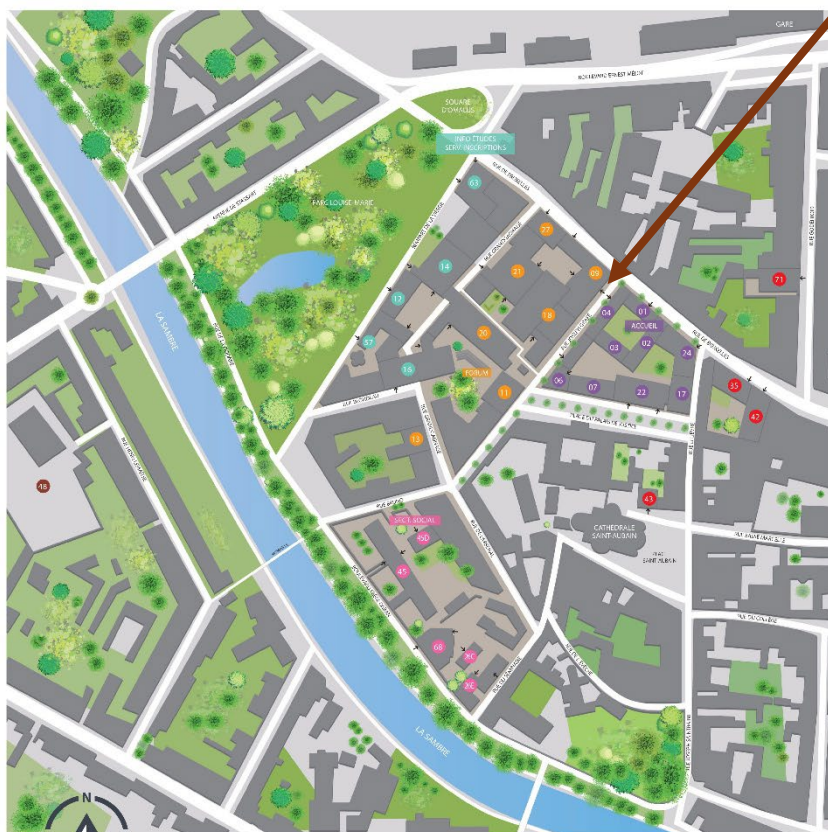
About the Application Specialist

Alice Fiocco, PhD in Physical Chemistry, is an AFM-Raman Application Specialist at HORIBA France. About 10 years ago, she started working enthusiastically on spectroscopy and scanning probe microscopies, so it was only a matter of time before she decided to join both worlds and focusing on nanospectroscopy, eventually coupled to electrochemical analyses. This experience allowed her to join HORIBA in 2022 as a post-doc for developing a commercial electrochemical nanoRaman option. Since 2024, she integrated the application laboratory, where she keeps working and supporting customers on all kind of micro- and nanoscale samples.

Faculty entrance



Plan du campus universitaire



UNamur



Info études



Secteur social



Service des inscriptions

FACULTÉS - DÉPARTEMENTS INTERFACULTAIRES	Bât.
Faculté de droit	13
Faculté d'informatique	16
Faculté de médecine	22
Faculté de philosophie et lettres	25
Faculté des sciences	27
Faculté des sciences économiques, sociales et de gestion	17
Département éducation et technologie	43
École des langues vivantes	14

AMPHITHÉÂTRES	Bât.
Adam Smith E01	12
Aula Maior L01	04
Informatique I02	16
Médecine M01	22
Pedro Arrupe PA01 et PA02	21
Pierre Maon D01	14
Physique/Chimie CH01	18
Sciences S01	09
Vauban	05

ADMINISTRATION ET SERVICES	Bât.
Accueil	01
Administration de la recherche	35
Administration de l'enseignement (Service des inscriptions, Info études, Enseignement)	03
Business and learning center	27
Rectorat et vice-rectorats	27
Secteur social	01
Service communication	42
Services généraux	02

BÂTIMENTS	Bât.
Arsenal (restaurants universitaires)	15
Bibliothèque universitaire Moretus Plantin	20
Chapelle universitaire	11
Crèche	18
Espace culturel universitaire (Nom de la Rose)	12
Parking Henri Lemaitre	45
Presses universitaires de Namur	57
Quai 22	28

AUDITOIRES ET SÉMINAIRES			
Code salles	Bât.	Code salles	Bât.
B01 à B51	17 26	BN01 à BN22	03
L01 à L55	01 03 04	S01 à S51	09
CH01 à CH45	18	M01 à M51	06 07 22
E01 à E62	12	D01 à D51	14
B01 à BUMP33	10	PA01 à PA24	21

www.unamur.be

Source: unamur.be, www.unamur.be
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Access

Fiche d'accessibilité multimodale



Légende

- | | | |
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| ■ Sites de l'UNamur | 🚲 Parkings vélo UNamur couverts sécurisés | 🅑 Parkings UNamur |
| 🚶 Piétonnier | 🚲 Parkings vélo couverts sécurisés | 🅑 Stations Cambio |
| 🚲 Stations Li bia vélo | 🚲 Magasins de vélo | 🔌 Bornes de recharge |
| 🚲 Stations Blue-Bike | 🚲 Arrêts de transports en commun | 🏠 Maison du TEC |
| 🚲 Pistes cyclables (RAVeL) | 🅑 Parkings payants | |



Are you coming by Car?

Namur is easily accessible via the E411 (Brussels–Luxembourg) and the N4. Public parking is available nearby at:

- **Parking Palais de Justice** (2 minutes walking distance)
- **Parking Beffroi** (9 minutes walking distance)

As public parking in the city centre may be limited during peak hours, we recommend arriving a little early.

Are you coming by Train?

Namur Station is located approximately 10 minutes on foot from the faculty.

Are you coming by Bike?

The campus is bicycle-friendly.

Are you coming by Bus?

Several TEC bus lines stop near the faculty: “Place de la Station”, “Av. De Stassart” and “Omalius”.