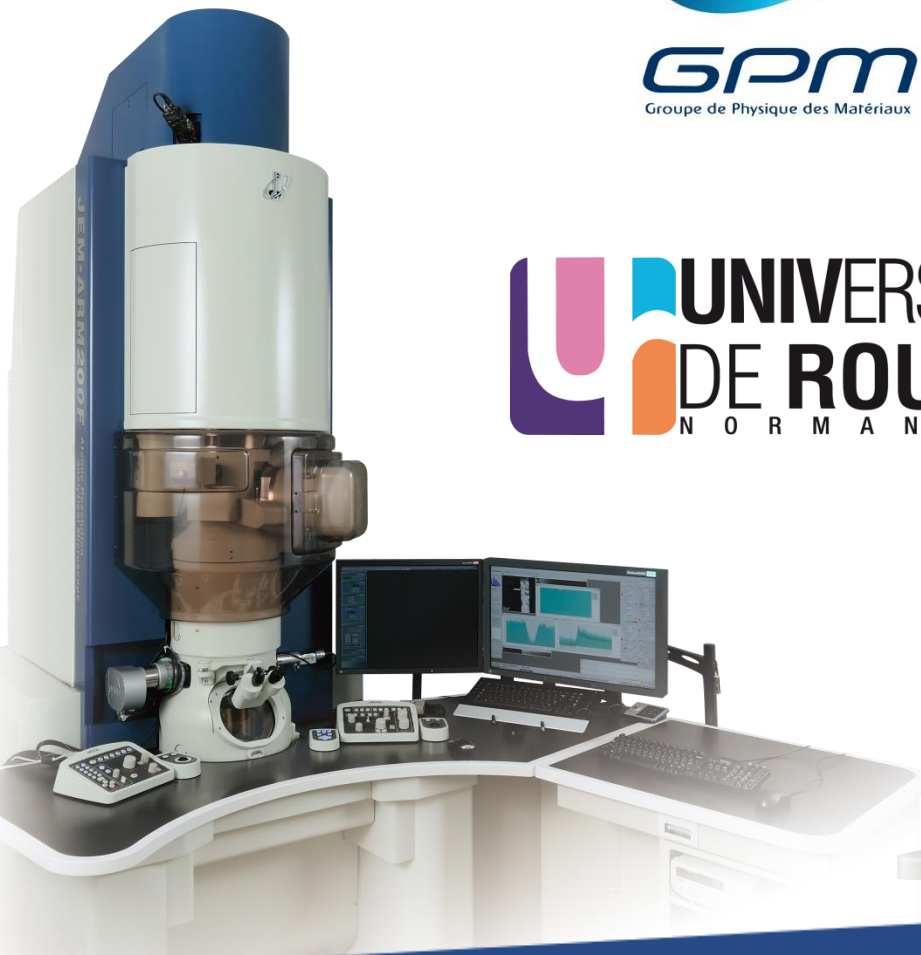
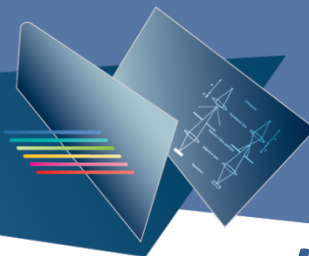


ARM | Owner Group 4th User Meeting

*GPM - Université de Rouen Normandie
20th – 21st June 2017*





ARM / Owner Group 4th

User Meeting



The research laboratory “Groupe de Physique des Matériaux” (GPM) is a joint research unit (UMR 6634) between the CNRS, the University of Rouen Normandy and the Institut National des Sciences Appliquées (INSA) of Rouen. At CNRS, the GPM is part of the Physics institute (INP) and also to the Systems and Engineering Science Institute (INSIS).

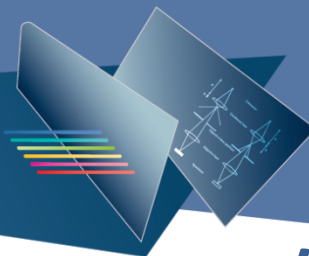
The laboratory is located on the Madrillet campus (South of Rouen). Offices and facilities are shared between the Faculty of Science at the University Rouen Normandy (6500m²) and the INSA of Rouen Normandy (500m²).

The laboratory is headed by Pr. Philippe Pareige with a staff of 170 people (62 Senior researchers, Professors or Ass. Professors, 30 engineers, technicians or administratives, 62 PhD students, 16 postdoctorates, and a number of invited researchers, undergraduate and graduate interns).

The instrumental platform of GPM covers a large range of scales and information: Atom Probe Tomography, Transmission and Scanning Electron Microscopy, Infrared Spectroscopies, UV-Vis-PIR, Raman, Photoluminescence and Mössbauer Spectroscopies, SQUID, VSM, X-ray diffraction, mechanical tests in anisothermic and multiaxial conditions. Beside the experimental approach, theoretical models are used at different scales, including Monte-Carlo kinetics, Phase field, Crystalline phase field.

The laboratory is leading research at the international level on five general topics:

- Scientific Instrumentation: The Atom under intense electric field and radiation
- Metallurgy and alloys : From atoms to microstructures
- Nanostructures of Nanosciences and Nanotechnologies: From the atom to the function
- Disordered systems and polymers: From the macromolecule to polymers
- Nanoparticles, Characterization, Environment : impact of nano on environment and health



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Tuesday 20th of June

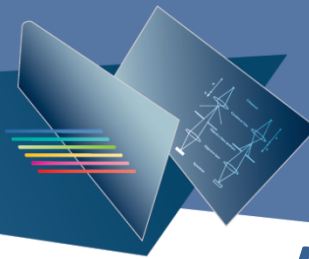
- 09:15 - 09:45 **Registration**
09:45 - 10:00 **Welcome**
Dr. Williams Lefebvre & Dr. Bruno Achard
- 10:00 - 10:25 **Linking defects structures to properties at the nanoscale by multimicroscopy**
Dr. Williams Lefebvre
- 10:25 - 10:50 **Latest update of ARM microscopes and its application**
Dr. Ichiro Onishi & Dr. Eiji Okunishi
- 10:50 - 11:20 **Coffee break & Poster session**
- 11:20 - 11:45 **Atomic scale resolved processes in strained epitaxial layers**
Dr. Corneliu Ghica
- 11:45 - 12:10 **Atomic resolution microscopy of cage materials**
Dr. Reiner Ramlau
- 12:10 - 13:30 **Lunch & GPM Tour**
- 13:30 - 15:00 **Workshop**
15:00 - 15:30 **Coffee break & Poster session**
15:30 - 17:00 **Workshop**
- 17:00 **Departure to Rouen**
17:45 **Guided tour**
19:30 **Dinner in Rouen (city center)**

Wednesday 21st of June

- 09:00 - 10:30 **Workshop**
10:30 - 11:00 **Coffee break & Poster session**
- 11:00 - 11:25 **An ARM200 CFEG: a true E-TEM microscope?**
Pr. Christian Ricolleau
- 11:25 - 11:50 **High performance imaging and spectroscopy without beam damage**
Per Erik Vullum, Antonius T.J. von Helvoort, Randi Holmestad, Sigurd Wenner
- 11:50 - 12:20 **Round table**
- 12:20 **Lunch & End of the meeting**

Workshops

- Workshop #1:** STEM EDS acquisition on double corrected ARM200F Cold FEG
Workshop #2: STEM acquisition on STEM corrected ARM200F
Workshop #3: EDS data treatment



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How to reach GPM - Avenue de l'Université, 76800 Saint-Étienne-du-Rouvray

From Roissy airport to Rouen center

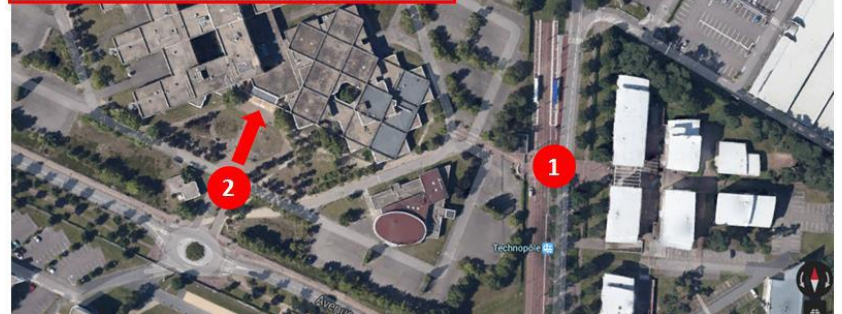
- Bus lines: <https://www.flixbus.fr/>
- Car rental at the airport

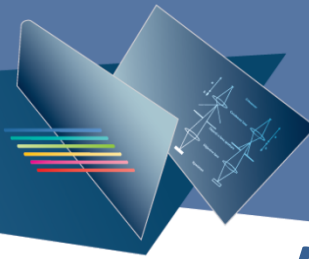
From Paris center to Rouen Center

- Train Paris Saint Lazare train station to Rouen Rive Droite train station

If you come by tram ("METROBUS") from the city center

- Take the line "Technopole – Saint Etienne du Rouvray" and stop at the Terminus.
- Walk about 100 m from the stop (1 on the map) to reach the entrance of the University (2).





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Hotels

We recommend you to book your hotel in the city center, it will be more convenient for the social event.

Here are some recommended hotels:

- 1) Hôtel de Dieppe ***
- 2) Hôtel le Cardinal **
- 3) Hôtel Astrid **
- 4) Hôtel Beauséjour **
- 5) Hôtel de l'Europe **

Over points of interest:

- 6) Train station
- 7) Social event

