

Kick – off Meeting

of the project “Light-Matter-Interaction in the
Context of Core Facilities”,
part of the Baden-Württemberg-STIPENDIUM for university
students – BWS plus, a programme of the
Baden-Württemberg Stiftung

2018 February 6th – 8th

Troyes, France



EBERHARD KARLS
UNIVERSITÄT
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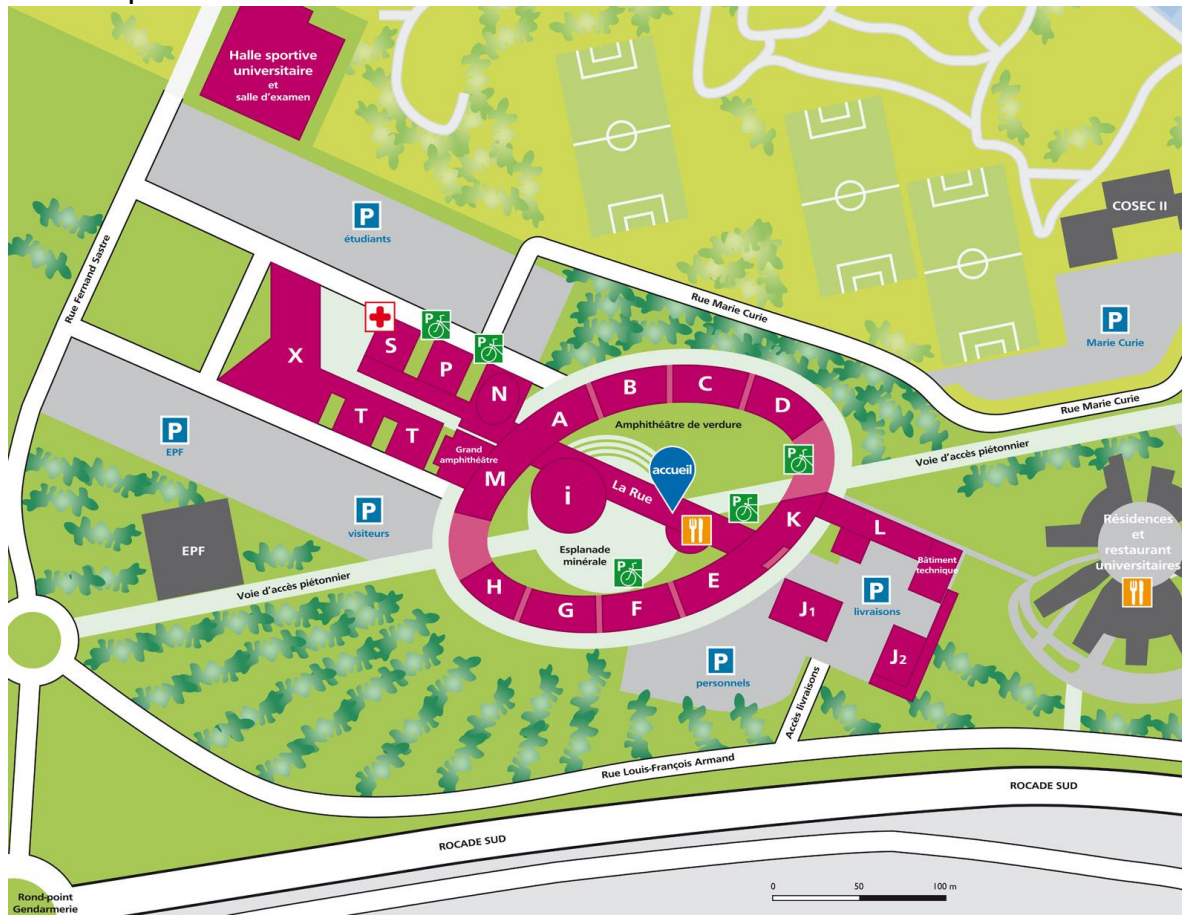


A Programme of



Important information

UTT Map :



- The main entrance is located near the “Accueil” (blue point).
- The conference will take place in the A building (conference room A002).
- The coffee breaks will take place in the hall of the A building (in front of the A002 conference room).
- WIFI access:
Network name: BWS Kick-off Meeting
Password : BWSUTT2018

Programme

Date: Tuesday, 06th February 2018

Place: Université de Technologie de Troyes

09.00	Michel LEGAULT, Director of International Relations – Introduction
09.40	Thomas MAURER – Nanogauges for integration of strain sensors integrated into matter
10.10	Florian Laible – Spectroscopy of mechanically tunable plasmonic bow tie antennas
10.40	Coffee Break
11.00	Jerome Plain – Au/Ni hybrid nanostructures: tuning the plasmon resonance under control
11.30	Marc Brecht - Tuning the optical properties of Photosystem I with subwavelength microcavities and plasmonic nanoparticles
12.00	Gwenaëlle LAMRI - Active control of the photoluminescence emitted by quantum dots using metallic nanoparticles and photochromic molecules
12.30	Lunch
14.30	Monika Fleischer - Plasmonic biosensors in microfluidic applications
15.00	Jérôme Martin - Aluminum nanostructures for UV-VIS nano-optics
15.30	Elena Bez - Plasmonic colour tuning (short talk)
15.45	Benjamin Trzeciak - Break junctions: Fabrication, technical applications and measurement of quantized conductance (short talk)
16.00	Renaud Bachelot - nanoscale switching of near infrared hot spots in plasmonic oligomers probed by 2-photon absorption in photopolymers
16.30	Coffee Break
17.00	Round Table

Date: Wednesday, 07th February 2018

09.00	Rodolphe Jaffiol: Variable-angle Total Internal Reflection Fluorescence Microscopy: towards a new way to probe single cell adhesion strength
09.30	Jonas Hiller – Optical Properties of WS ₂ as a 2D Semiconducting Material in a Novel Light-Effect Transistor
10.00	Artur Movsesyan - Experimental study of hybridized plasmonic modes of silver nanocylinders disordered array
10.40	Coffee Break
11.00	Dominik Gollmer - Localized and collective modes in wedge-shaped plasmonic nanogratings
11.30	Davy Gérard - Fractal and chiral plasmonics with aluminum nanostructures
12.00	Fang Dai - Resonant plasmonic modes in vertical metal-insulator-metal (MIM) cavity
12.30	Lunch
14.30	Lab Tour
16.00	Visit of the “Cité du Vitrail”
17.00	Visit of the „Manufacture Vincent-Petit“

Date:

Thursday, 08th February 2018

09.00	Timothée Toury - A multipolar framework for nanoparticles optical properties description: Theory and Experiments, application to SHG
09.30	Anke Horneber - Nonlinear Metallic Nanoantennas
10.00	Anne-Laure Baudrion and Pierre-Michel Adam: Plasmon-enhanced second harmonic sensing
10.40	Coffee Break
11.00	Dai Zhang – Tip enhanced Raman spectroscopy of organic molecules
11.30	Alexandra Karpa and Miriam Scholz - Non-uniform substrates for the optimization of SERS enhancement effect for different pharmaceuticals
12.00	Christoph Dreser - Tilting cones: Fabrication and optical spectroscopy
12.30	End of the Kick-off Meeting



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