

French-Swiss Meeting : SANS for Soft Matter

Strasbourg (30-31 March 2022)

Program

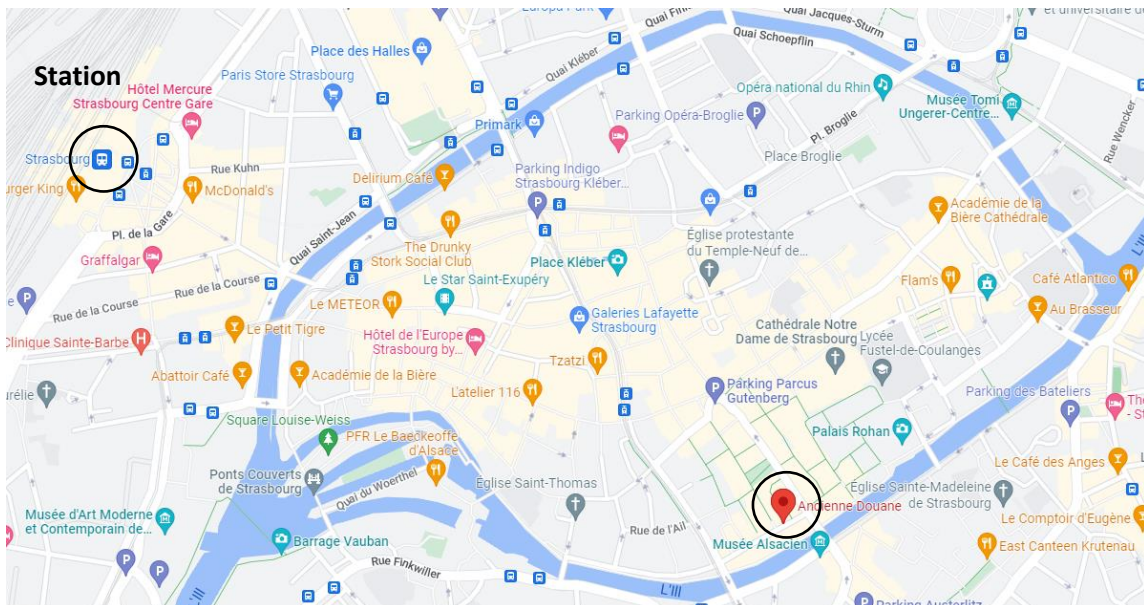
Location of the conference



L'ANCIENNE DOUANE

6 rue de la douane, 67 000 Strasbourg (+33 3 88 15 78 78)

www.anciennedouane.fr



Program

Wednesday 30 March afternoon

12:30 – 14:00 *welcome and buffet at L'Ancienne Douane*

Introductory Session

14:00 – 14:20 Michel Kenzelmann (PSI), Grégory Chaboussant (LLB), *Foreword*

14:20 – 14:40 Nicolas Martin (LLB) *Presentation of SANS outstations at LLB,*

14h40 – 15:00 Viviane-Lutz Bueno (PSI-LLB) *SANS-LLB at PSI: keeping up with the community needs*

Session Polymers

15:00 – 15:35 Julian Oberdisse, (LCC, Montpellier), *Polymer structure(s) seen by SANS: examples of single-chain nanoparticles, microgels, and interfacial segregation in nanocomposites*

Coffee break

16:15 – 16:50 Walter Richtering (RWTH, Aachen) *Are soft microgels tough?*

16:50 – 17:10 Boyang Zhou (PSI), *Direct measurements of the pNipam Microgel Counter-ion Cloud via Small -Angle Neutron Scattering*

17:10 – 17:30 Cécile Rerzki-Vérité (ECE Paris/LLB) , *Internally nanostructured Pn3m cubic droplets stabilized by clay nanoplatelets as physical cross-linkers for stretchable polyacrylamide-based hydrogels*

17:30 – 17:50 Alexis Chennevière (LLB), *Multiscale structure of poly(ionic liquid)s in melt and solutions by small angle neutron scattering*

18:00 – 19:30 *Aperitive and poster session*

20h00 *Dinner at L'Ancienne Douane*

Thursday 31 March morning

Session Colloids and surfactants

9:00 – 9:35 Véronique Receveur-Bréchet (IMM, Marseille), *Structural investigation of the intrinsically disordered protein CP12 in its cellular environment and in presence of its interacting partners using Small Angle Neutron Scattering by contrast variation*

9:35 – 10:05 Sylvain Prévost (ILL Grenoble), *Effect of ethanol on helical gels of glycyrrhizic acid investigated by SANS & SAXS,*

10:05 – 10:25 Martin In (LCC Montpellier), *Pre-micellar structuration of aqueous solutions of ionic liquid based surfactants*

10:25 – 10:45 Elise Guerinoni (ICSM Marcoule), *Understanding the effect of extractant and diluent alkyl chains on extraction, aggregation and third phase appearance in solvent extraction*

Coffee break

Session Biophysics and life science

11:00 – 11:35 Frank Gabel (IBS Grenoble), *Time-resolved small angle neutron scattering provides unique insight into substrate processing by the PAN-proteasome complex in solution*

11:35 – 11:55 Olga Matsarskaia (ILL Grenoble), *Scattering techniques: powerful tools to elucidate the molecular mechanisms of Wilson's disease*

11:55 – 12:15 Julien Lamolinairie (ILL Grenoble), *(De)stabilization of non-ionic foam with ions*

12h15 – 12h35 Jérôme Combet (ICS Strasbourg): *Light stimuli-responsive wormlike micelles*

Group photo/Lunch at L'Ancienne Douane

Thursday 31 March afternoon

Session Food Science and Pharmaceutics

14:00 – 14:35 Peter Fischer (ETH, Zurich) *Structure and rheology of stimuli responsive nanocellulose interfacial layers*

14:35 – 14:55 Maja Napieraj (LLB), *Monitoring food structure in canola protein gels during digestion*

14:55 – 15:15 A. Murmiliuk (JCNS Jülich), *Structural design of polyelectrolyte-protein nanocarriers for targeted drug delivery*

15:15 – 15:35 Max Hohenschutz (RWTH Aachen University), *Solution structure and viscoelasticity of cellulose ethers in the presence of chaotropic nano-ions*

15:35 Concluding remarks and End of conference. Poster prize

Posters :

- Laszlo Almasy (BNC, Budapest) *SANS facility at the Budapest Neutron Centre*
- I. Chazapi (ISCM Marcoule), *Solubilization of hydrophobic compounds by nano-ions*
- P. Denk (IPTC Regensburg) *A micellar shape restricted to spheroids: New nematic and hexagonal lyotropic liquid crystals evidenced by SAXS/SANS combination*
- F. Ferdeghini (ECE Paris), *Hybrid hydrogels with Pickering Emulsion as cross-linkers: a new smart system for drug delivery applications*
- M. Karpets (IEP SAS, Košice), *SANSPOL investigation of structural changes in transformer oil-based ferrofluids induced by electric and magnetic fields*
- Leonard Krupnik (Center for X-ray Analytics, St. Gallen), *Illuminating the structure of nanomedicines: small angle scattering of iron carbohydrates in complex biological environments*
- A. Mikhailovskaya (ICPME Thiais) *Reinforced hydrogels: polymer cross-linking by emulsion droplets,*
- W. Müller (ILL Grenoble), *SANS contrast variation for the localization of anionic dyes in DTAB-micelles*
- S. Prevost (ILL Grenoble), *D11+: renewal of the archetypal SANS*
- N. Shafqat (CSIC-UPV/EHU, San Sebastian), *Microscopic insight on thermally driven concentration fluctuations and component dynamics in polymeric mixtures of industrial interest*