



Toulouse, with its artistic atmosphere, offers excellent opportunities for scientific, cultural and social experiences in a unique setting.

- Excursion to Carcassonne (Tuesday afternoon)
- Concert at the St Sernin Basilica (Monday evening)
- Gala dinner in a wonderful place in Toulouse (Tuesday evening)

## KEY DATES

Abstract deadline:

April 15, 2019

Notification:

April 30, 2019

Earlybird deadline:

June 30, 2019

Short courses and Opening session:

September 1, 2019

Symposium:

September 2-4, 2019

Symposium Gala:

September 3, 2019

## CONTACTS

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www.itp2019.com

## SHORT COURSE

### Data processing in capillary electrophoresis

By Pavel Dubsy - ECHMET group, Faculty of Science, Charles University, Prague, Czech Republic

Sunday 1st september - 2 p.m. - 4 p.m.

Max 25 participants.

Based on a first come first served.

Free of charge for the ITP participant.

# iTTP 2019

September 1-4

## 26<sup>th</sup> International Symposium on Electro-separation and Liquid Phase-Separation Techniques



- 60 oral presentations slots in two parallel sessions
- 4 plenary lectures
- 22 invited keynote lectures
- 100 posters
- A young researchers session
- An AFSEP labelled session
- A PortASAP COST session

**TOULOUSE**  
September 1-4, 2019  
France

www.itp2019.com



Prof. Hervé Cottet  
University of Montpellier  
Co Chair

ITP symposium series, inaugurated in Belgium in 1979, is one of the most recognized international meeting addressing the latest issues and innovations in all areas of electro- and liquid phase separations techniques. The scientific areas of the symposium cover a wide range of technologies based on electro- and liquid phase-separations: capillary and microchip electrophoresis, electrokinetic chromatography, two-dimensional electrophoresis, HPLC, UPLC, Micro- and Nanoscale HPLC, and their hyphenation with MS. Applications of these techniques in (bio)analysis, (bio)pharmaceuticals, life science research, environmental analysis, food safety and authenticity, space science, forensic, toxicology, and (bio)polymers will be emphasized.



Prof. François Couderc  
University of Toulouse  
Co Chair

## TOPICS

- Capillary Electrophoresis
- Liquid phase separation techniques
- Data processing and data analysis
- Metabolomics
- Bioanalysis / Pharmaceuticals
- Multidimensional separations
- New advances and fundamentals in separation sciences
- Natural and food products
  - Microscale separations / microchips
- Portable Capillary electrophoresis
- Coupling with MS
  - + Young scientist session
  - + AfSep labelled session
  - + Open-source and portable analytical instrumentation session (in collaboration with the European PortASAP COST action)

## WELCOME

to the 26<sup>th</sup> International Symposium on Electro- and Liquid Phase-Separation Techniques

## INTERNATIONAL SCIENTIFIC COMMITTEE

Ana Maria Garcia-Campaña (Grenade, Spain) / Bezhan Chankvetadze (Tbilisi, Georgia)\* / David Chen (Vancouver, Canada) / Alejandro Cifuentes (Madrid, Spain)\* / Hervé Cottet (Montpellier, France) / François Couderc (Toulouse, France) / Ziad El Rassi (Stillwater, USA)\* / Salvatore Fanali (Rome, Italy)\* / František Foret (Brno, Czech Republic)\* / Carlos D. García (Clemson, SC, USA)\* / Bohuslav Gas (Prague, Czech Republic)\* / Václav Kašíčka (Prague, Czech Republic)\* / Sergey Krylov (Toronto, Canada) / Jörg Kutter (Copenhagen, Denmark) / Blanca Lapizco-Encinas (Rochester, USA)\* / Koji Otsuka (Kyoto, Japan)\* / Marja-Liisa Riekkola (Helsinki, Finland)\* / Marina Tavares (Sao Paulo, Brazil)\* / Myriam Taverna (Paris, France) / Peter Willis (Pasadena, CA, USA)

\*Permanent Scientific Committee

## PLENARY LECTURES

- **David Chen**, University of British Columbia, Vancouver, Canada  
Capillary electrophoresis mass spectrometry for top-down analysis of large proteins
- **Frantisek Foret**, Academy of Sciences, Brno, Czech Republic  
Instrumentation and Applications of Epitachophoresis
- **Sergey Krylov**, New-York University, Toronto, Canada  
Accurate Constant via Transient Incomplete Fast Separation (ACTIFS): Approach for Finding Accurate Kd of a Protein-Drug Complex
- **Peter A. Willis**, University of California, Pasadena, USA  
Separating Life from Non-Life on Ocean Worlds

## KEYNOTES

- **Patrice Castignolles**, Western Sydney University, Australia  
Tackling the high dimensionality of polyelectrolytes and polysaccharides using free solution capillary electrophoresis (critical conditions)
- **Doo Soo Chung**, Institute Seoul National University - SNU - Department of Chemistry - South Korea  
Metabolomics Liquid extraction surface analysis coupled with capillary electrophoresis
- **Pavel Dubsky**, Czech Technical University, Prague, Czech Republic  
The flourish landscape of capillary zone electrophoresis and electrokinetic chromatography: from mathematical roots to everyday practice
- **Ziad El Rassi**, Oklahoma State University, Stillwater, USA  
Design of precursor monolithic columns and their post polymerization modifications with various ligands for use in liquid phase separation techniques".
- **Guillaume Erny**, University of Porto, Portugal  
Open source hardware in chemical analysis : Tools or toys?
- **Alberto Escarpa**, Universidad de Alcalá, Spain  
Nanomaterials based electrochemical detectors in microfluidics for (bio) analytical applications
- **Marianne Fillet**, University of Liege, Belgium  
Evaluation and comparison of different separation techniques coupled to ion-mobility mass spectrometry for the deciphering of molecular networks
- **Ana M. García-Campaña**, University of Granada, Spain  
Capillary electromigration methods: a real alternative in food safety?
- **Carlos D Garcia**, Clemson University, South Carolina, USA  
Simplicity, as the key for analytical methodologies
- **Bohuslav Gas**, Charles University, Prague, Czech Republic  
Electromigration in micro and nanoscale
- **Javier Hernández Borges**, University of La Laguna, Tenerife, Canary Islands, Spain  
The challenge of plastic migrants analysis using nanomaterials
- **Vaclav Kasicka**, Czech Academy of Sciences, Prague, Czech Republic  
Capillary electrophoresis employed for study of noncovalent (bio)molecular interactions
- **Jörg Kutter**, University of Copenhagen, Denmark  
Thiol-ene based microfluidic devices for pharmaceutical applications
- **Blanca H. Lapizco-Encinas**, Rochester Institute of Technology, USA  
Particle separation and assessment with electric fields
- **Jesper Østergaard**, University of Copenhagen, Denmark  
Taylor dispersion analysis in biomedical analysis : sizing, interaction studies and quantification of biopharmaceuticals
- **Koji Otsuka**, Kyoto University, Japan  
Unique microscale separations using specific interactions
- **Marja-Liisa Riekkola**, University of Helsinki - Finland  
Molecular Interactions - key to successful biomolecule isolations
- **Carolina Simó**, Institute of Food Science Research (CIAL), Madrid, Spain  
Metabolomics, a key technology in the emerging field of gut microbiota
- **Govert W. Somsen**, Vrije University of Amsterdam, The Netherlands  
Alliances Probing protein conformation with CE and MS
- **Hanno Stutz**, University of Salzburg, Austria  
Alliances of different CE and CE-MS approaches for the PTM characterization of allergens
- **Myriam Taverna**, University of Paris Sud, France  
Capillary Electrophoresis , an efficient technique for Drug Screening related to protein agregation diseases
- **Hermann Wätzig**, Technical University, Braunschweig, Germany  
Winning with the ACE - Affinity Capillary Electrophoresis for precise binding assays