



New Orleans
2013

<http://www.ispac-conferences.org/>

ISPAC 2013 Call for Papers

New Orleans, Louisiana, June 10-12, 2013

Short Course, June 9, 2013

We will accept abstracts in all fields on polymer analysis and characterization; The list of main ISPAC 2013 areas is given below. Topics will include fundamental studies and applications but all have a strong focus on polymer analysis and characterization.

Abstracts should be submitted for contributed, oral lectures (15 minutes each) and poster presentations. We will assume that the primary author will be the presenter.

You are able to upload your abstract online [here](#).

Poster presentations and oral presentations in all areas of polymer analysis and characterization are invited. Oral presentations will be accepted on a competitive, refereed basis.

All abstracts will be included in the Conference Notes to be provided to participants.

Focus areas at ISPAC 2013

i) Latest developments in polymer separations and chromatography

Interactive chromatography
Multi-dimensional and hyphenated GPC
Field Flow Fractionation

ii) Scattering and spectroscopic methods for polymer analysis and characterization

X-ray scattering
Neutron scattering
Light scattering (including DLS, SLS and electrophoretic LS)
Electronmicroscopy and AFM
Various spectroscopies, including NMR, IR, Raman

iii) Modeling/computational approaches to polymer analysis and characterization and comparison with experimental methods

Predicting polymer macroscopic properties from molecular level characterization

Rheological and thermal analysis of polymers and associated modeling
Applications to Polyolefins
Online monitoring and process control of polymerization reactions

iv) Characterization of therapeutic proteins and delivery systems.

Characterization of therapeutic antibodies and protein higher order structure
Characterization of protein aggregates in drug product development
Characterization challenges for protein formulations from low to high concentration
Computational characterization of protein structure and interactions

v) Current challenges in analysis and characterization for new polymers and natural products

Stimuli responsive polymers
Natural products
Nanomedicine
Hybrid nanoparticles
Bioconjugates
Pharmaceutical drug delivery agents