

# LSC 2020

## International Conference on Advances in Liquid Scintillation Spectrometry

<http://lsc2020.swust.edu.cn>

October 18-20, 2021

Deadline for abstract submission: September 5, 2021

### The Conference

LSC2020, an international conference on Advances in Liquid Scintillation Spectrometry is the next of a series of conferences on Liquid Scintillation Counting (LSC). The LSC series conferences started in 1957 in Chicago (USA), and have in more recent years taken place at Karlsruhe (Germany) 2001, Katowice (Poland) 2005, Davos (Switzerland) 2008, Paris (France) 2010, Barcelona (Spain) 2013, and Copenhagen (Denmark) 2017. The LSC2020 is the 24th edition of the LSC conferences; it will continue this series of conferences to provide a forum for discussing the latest developments in the instrumentation and methodology as well as applications of LSC in all aspects. Specialists and users of LSC are encouraged to attend and contribute with their experience.

### Organization

Organized by: Shenzhen Technology University

Laser Fusion Research Center

Science and Technology on Plasma Physics Laboratory

Southwest University of Science and Technology

Conference form : a combination of online and offline

On-line participation: free of charge

On-line conference system: ZOOM

Off-line conference: Chengdu or Shenzhen (Venue to be determined)

### Scientific Committee



- Xiaolin Hou (Director)  
Technical University of Denmark, Denmark
- Karsten Kossert  
Physikalisch-Technische Bundesanstalt, Germany
- Philippe Cassette  
Laboratoire National Henri Becquerel, France
- Jose F. Garcia  
University of Barcelona, Spain
- Steffen Happel  
TrisKem International, France
- Mun Ja Kang  
Korea Atomic Energy Research Institute, Korea
- Denis Bergeron  
National Institute of Standards and Technology, USA
- Alex Tarancon  
University of Barcelona, Spain
- Feng Wang  
Laser fusion research center, CAEP, China
- Leifeng Cao  
Shenzhen Technology University, China

### Main Topics

- New development on LSC instrumentation, methodology and scintillators
- Radionuclide Metrology Using LSC
- Calibration, standardization, and quality assurance
- Data evaluation and spectrum analysis
- Applications in environmental radioactivity
- LSC in nuclear chemistry (decommissioning, waste processing, nuclear materials)
- Applications in bioscience, medicine, and drug studies
- Applications in natural radionuclides measurement, chronology and geology
- LSC in neutrino and neutron detection
- Plastic scintillator and application
- Application in tritium studies
- Applications based on alpha/beta spectrometry and other topics
- Application in high energy density physics
- Application in laser nuclear physics
- Nuclear electronics in LSC applications

### Invited Speakers



Alex Tarancon

Department of Chemical Engineering and Analytical Chemistry, University of Barcelona, Spain  
Title: Progress in new plastic scintillation microspheres



Jose F. García

Departament d'Enginyeria Química i Química Analítica, Facultat de Químiques, Universitat de Barcelona, Spain  
Title: Scintillation for future in a changing world



Philippe Cassette

Laboratoire National Henri Becquerel, France  
Title : New developments in miniature TDCR counters



Steffen Happel

TrisKem International  
Title : On the development of new extraction chromatographic materials for the separation of difficult to measure radionuclides

*More will join us!*

### Publication

Publication of proceedings papers: Journal of Radioanalytical and Nuclear Chemistry

### Contacts

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WeChat group: LSC2020 International Conference



QR code of the conference website