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INVITATION

Environmental and Energy Applications
The *2nd* International Symposium on Quartz Crystal Microbalance Technology Development
The *5th* Q-Sense Technology Seminar

Biolin Scientific together with the Nanjing Institute of Soil Science CAS, are pleased to welcome you to Nanjing, September 14th – 15th, 2017 to learn more about environmental and energy applications of Q-Sense and QCM-D technology and the latest developments.

Scientific Sessions

During the 2 days, you will have the opportunity to meet and listen to well-known, international scientists who will be presenting their research that implements Q-Sense and the QCM-D technology. There are numerous Q-Sense applications in the field of environment and energy – soil pollution research, water processing, biofuels, dye-sensitized solar cells and lithium-ion batteries, to name a few.

Poster Session

To further promote and exchange knowledge there will be a poster session to where you are welcome to submit a poster presenting your research using the QCM-D technology.

Chairman:

Joel A. Pedersen	University of Wisconsin-Madison
Zhenghe Xu	University of Alberta/Southern University of Science and Technology
Juan Gao	Institute of Soil Science, Chinese Academy of Sciences

Invited Speakers:

- Andreas Wargenau, McGill University
- David Harbottle, Leeds University
- Guangming Liu, University of Science and Technology China
- Jinxuan Liu, Dalian Institute of Technology
- Joel A. Pedersen, University of Wisconsin
- John Fortner, Washington University in St. Louis
- Jue Kou, University of Science and Technology Beijing
- Junlong Song, Nanjing Forestry University
- Meagen Mauter, Carnegie-Mellon University
- Moshe Herzberg, Ben Gurion University of the Negev
- Patrik Bjöörn, Insplorion AB
- Wei Jiang, Shandong University
- Xiaolei Qu, Nanjing University
- Xingjie Zan, Wenzhou Institute of Biomaterial & Engineering
- Zhenghe Xu, University of Alberta/Southern University of Science and Technology

Language:

English

For more information, please contact Lauren Li - lauren.li@biolinscientific.com
Agenda will be soon posted on www.biolinscientific.com/events/

中国科学院南京土壤研究所 ISSCAS Institute of Soil Science, Chinese Academy of Sciences

Biolin Scientific
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会议日程（**Meeting Agenda**）

September 14

Time	Schedule
8:30-9:00	Check In
9:00-9:20	Welcome Joel A. Pedersen, University of Wisconsin, USA Zhenghe Xu, University of Alberta, Canada/Southern University of Science and Technology, China Juan Gao, Institute of Soil Science, Chinese Academy of Sciences, China Vanilla Chen, Biolin Scientific AB, China
	Chair: Joel Pedersen
9:20-10:00	O1: Moshe Herzberg, Ben Gurion University of the Negev, Israel Topic: Membrane Fouling and Cleaning in The Era of Environmental Nanotechnology: Measurements, Mechanisms, And Applications
10:00-10:40	O2: Meagan Mauter, Carnegie-Mellon University, USA Topic: Using QCM-D to Evaluate the Effect of Domain Chemistry and Hydrophilicity on Adsorption to Zwitterionic Copolymer Films with Nanoscale Compositional Heterogeneities
10:40-11:00	Coffee Break, Poster viewing
11:00-11:30	O3: Jinxuan Liu, Dalian Institute of Technology, China Topic: Surface-Supported Metal-Organic Framework Thin Films: From Fabrications to Applications
11:30-12:00	O4: Zhigang Gu, Fujian Institute of Research on the Structure of Matter, CAS, China Topic: Epitaxial Growth and Applications of Oriented Porous Metal Organic Framework Thin Films
12:00-13:30	Lunch
	Chair: Meagan Mauter
13:30-14:10	O5: Thanh Nguyen, University of Illinois at Urbana-Champaign, USA Topic: Interfacial Properties of Pathogenic Enteric Viruses Revealed by Complimentary Techniques of QCMD, AFM and DLS
14:10-14:50	O6: Zhenghe Xu, University of Alberta, Canada/Southern University of Science and Technology, China Topic: TBD
14:50-15:20	O7: Xiaolei Qu, Nanjing Univeristy, China Topic: Aggregation and Deposition Behavior of Carbonaceous Nanoparticles
15:20-15:40	Coffee Break, Poster viewing
15:40-16:10	O8: Yong Xiong, Tsinghua University, China Topic: Synergy Adsorption of Polyaromatic Compounds on Silica Surface by Molecular Dynamics Simulation
	Chair: Juan Gao
16:10-16:50	O9: Olof Andersson, Insplorion AB, Sweden Topic: Nanoplasmonic Sensing Combined with QCM-D for Advanced Surface Interaction Studies
16:50-17:30	O10: Min Wang, Biolin Scientific AB, China Topic: Application Of Q-Sense Technique on Environment and Energy Science
17:30-18:00	Panel Discussion **Moderators：** Zhenghe Xu, Joel A. Pedersen Topic: QCM-D Applications to Emergent Subjects in Environment Science
18:10-20:00	Dinner

会议日程（**Meeting Agenda**）

September 15

Time	Schedule
8:30-9:00	Check In
	Chair: Zhenghe Xu
9:00-9:40	O1: Andreas Wargenau, McGill Univeristy, Canada Topic: Characterizing Phospholipid Phase Transitions Using QCM-D: Fundamentals and Application to Environmental Toxicology
9:40-10:20	O2: Joel A. Pedersen, Univeristy of Wisconsin, USA Topic: Multi-Component Model Biological Membranes for Investigating Nanoparticle Interaction with Cell Surfaces
10:20-10:40	Coffee Break, Poster viewing
10:40-11:10	O3: Wei Jiang, Shandong University, China Topic: Nanoparticle Deposition and Nano-Biomembrane Interaction Studied by QCM
11:10-11:40	O4: Xitong Liu, Carnegie-Mellon Univeristy, USA Topic: Probing Interactions Between Graphene Oxide and Serum Albumin Proteins Using QCM-D
11:40-13:00	Lunch
	Host: Thanh Nguyen
13:00-13:30	O5: Jue Kou, Univeristy of Science and Technology Beijing, China Topic: Leaching Kinetic Study of Non-Cyanide Gold Leaching Reagent SDD by QCM-D
13:30-14:00	O6: Julong Song, Nanjing Forestry Univeristy, China Topic: On the Interactions in Lignocellulose Utilization Revealed by QCM-D Technique
14:00-14:40	O7: Min Wang, Biolin Scientific AB Topic: The Latest Application Progress by Chinese QCM-D Customers
14:40-15:10	Panel Discussion Moderators：Zhenghe Xu, Joel A. Pedersen Topic: QCM-D Applications to Emergent Subjects in Environment Science
15:10-15:40	Coffee Break, Poster viewing
	User Training Section **Host: Vanilla Chen**
15:40-16:10	O8: Mike Xiao, Biolin Scientific AB (Chinese) QCM-D Modules and Sensors
16:10-16:30	O9: Aaron Li, Biolin Scientific AB (Chinese) User Discussion Section How to Get A Good QCM-D Result? Sensor Treatment and Experiments Tips
16:30-17:00	Panel Discussion (English/Chinese) Host: Min Wang & Vanilla Chen Topic: Demands and Challenges on Q-Sense development