



SIS 2018

22nd International Symposium on Surfactants in Solution
Institute for Applied Surfactant Research - University of Oklahoma

June 3-8, 2018
Norman, Oklahoma, USA
Oklahoma Memorial Union

**22nd INTERNATIONAL
SYMPOSIUM ON
SURFACTANTS IN SOLUTION
JUNE 3-8, 2018**



SIS 2018

Following the great success of the previous twenty one symposia, the 22nd International Symposium on Surfactants in Solution (SIS2018) is being organized for June 3-8, 2018 by **The Institute for Applied Surfactant Research**. SIS2018 will be held on the campus of the University of Oklahoma in the Oklahoma Memorial Union, a facility that will hold up to six parallel sessions. The facility is about a 10-15 minute walk from dormitory facilities. Free parking next to the conference facility or free transportation will be provided if staying at a nearby hotel. Details including accommodations and the ability to submit abstracts are available at their respective tabs on this site. The topics to be covered at SIS2018 are all areas of surfactants in solution, including but not limited to:

- Micelle Kinetics, Thermodynamics and Structure
- Emulsions and Microemulsions
- Surfactants at Interfaces
- Surfactant-Particle Interactions
- Surfactant-Polymer Interactions
- Surfactant Phase Behavior
- Self-Assembly of Surfactants
- Surfactants in Tribology
- Surfactants in Pharmaceuticals and Life Sciences

- Surfactants in Energy
- Surfactants in Separation Processes
- Bioderived and Biosurfactants (Green Surfactants)
- Sustainability in Surfactants
- Reactivity in Surfactant-Based Systems
- Surfactants in Cleaning
- Mixed Surfactant Systems
- Polymeric and Polymerizable Surfactants
- Monolayers and Langmuir-Blodgett Films
- Analytical Techniques for Surfactants
- Vesicles, Liposomes etc.
- Wetting, Spreading and Capillarity Phenomena
- Rheology

A special issue of the [Journal of Surfactants and Detergents](#) will be devoted to this conference. More details on how to submit papers to this issue are provided in the "About SIS" tab of this website.

We warmly welcome scientists and technologists in the areas of colloid and surfactant science from around the world to join us in the United States for the first time in 18 years on the beautiful campus of the University of Oklahoma, Norman. Please enter your e-mail address below to receive regular updates on the submission of abstracts and other pertinent information for the conference.

About SIS

About SIS Meetings

The Surfactants in Solution conference series was initiated in 1976 when it was first held in Albany, New York, under the chairmanship of Kash Mittal. Two more meetings were held in the USA (Knoxville and Potsdam) before the symposium became truly international: Lund (1982), Bordeaux (1984), New Delhi (1986), Ottawa (1988), Gainesville (1990), Varna (1992), Caracas (1994), Jerusalem (1996), Stockholm (1998), Gainesville (2000), Barcelona (2002), Fortaleza (2004), Seoul (2006), Berlin (2008), Melbourne (2010), Edmonton (2012), Coimbra (2014), and Jinan (2016).

The title "Surfactants in Solution" has been retained for this series of conferences, although the breadth of topics covered has widened considerably over the years. A particular feature of the SIS conferences has been the coverage of both fundamental and applied research, presenting a great opportunity and platform for scientists from industrial research and development (R&D) organizations to meet people working on the basic aspects of surfactants and interface science.

Conference Venue

University of Oklahoma – Norman, Oklahoma, USA

Founded in 1890, the University of Oklahoma (OU) is a public research university in Norman, Oklahoma — a short distance (20 minutes) south of the state capitol of Oklahoma City. OU's Norman undergraduate population is just over 20,000, giving students a major university experience in a private college atmosphere. With three campuses in Oklahoma, OU also offers study abroad opportunities at several locations.

Oklahoma Memorial Union

The Oklahoma Memorial Union is the heart of The University of Oklahoma Campus and a perfect location for conferences, meetings, formal events, and more. The Union features over 25,000 square feet of meeting and event space including intimate rooms and lounges for smaller events, outdoor venues, and our 6,500 square foot ballroom for larger events and weddings. The collegiate Gothic style of the building is carried throughout our elegantly appointed rooms with many unique interior elements like hardwood floors, coffered ceilings, and antique furniture and artwork. The Union also offers a wide array of audio visual equipment, a 350 seat theater/auditorium with HD projector, and WiFi throughout the building. The Union is within walking distance of the Fred Jones Jr. Museum of Art and OU's Historic Campus Corner.

Conference Host:

The Institute for Applied Surfactant Research

The [Institute for Applied Surfactant Research](#) consists of eight University of Oklahoma faculty members who are well-known for their research on the properties and applications of surfactants. These faculty, who are members of the School of Chemical, Biological and Materials Engineering, Mewbourne School of Petroleum & Geological Engineering (MPGE), and the School of Civil Engineering and Environmental Science, have for many years performed research with surfactants in such diverse fields as detergent formulation, environmental remediation, bioseparations, microelectronics, enhanced oil recovery, dispersant stabilization, and drug delivery systems. This productive group of faculty has made IASR the premier institute in the world dedicated to surfactant science research. One indication of this reputation is the selection of the University of Oklahoma to host the 65th Annual American Chemical Society's Colloid and Surface Science Symposium in 1991.

Organizing and Advisory Committees

Organizing Committee:

- Kash Mittal – General Chairman
- [Brian Grady](#), University of Oklahoma – Conference Chair and Organizer
- [Sonya Norman](#), University of Oklahoma – Secretary
- John Texter, Eastern Michigan – Conference Organizer in Charge of Program
- Srinivasa Raghavan, University of Maryland, College Park – Conference Organizer in Charge of Program
- Doug Hayes, University of Tennessee – Conference Organizer in Charge of Program

Local Organizing Committee:

- | | |
|----------------|----------------|
| •Jeff Harwell | •Dave Sabatini |
| •Tohren Kibbey | •Ben Shiau |
| •Ed O'Rear | |

International Advisory Committee:

- | | |
|---|--|
| •Masahiko Abe, Tokyo University of Science | •Brij Moudgil, University of Florida |
| •Sunil Bhagwat, Institute of Chemical Technology | •Ramanathan Nagarajan, Pennsylvania State University |
| •Girma Biresaw, United States Department of Agriculture | •Dennis Prieve, Carnegie Mellon University |
| •Ludmila Boinovich, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry RAS | •Polina Prokopovich, Cardiff University |
| •Emil Chibowski, Marie Curie-Sklodowska University | •A.K. Rakshit, The Maharaja Sayajirao University of Baroda |
| •Julian Eastoe, University of Bristol | •Dandina Rao, Louisiana State University |
| •Eloi Feitosa, Sao Paulo State University | •Larry Romsted, Rutgers University |
| •Michele Ferrari, Institute for Chemistry of Condensed Matter and Technologies for Energy | •Ramon Gonzalez Rubio, Universidad Complutense de Madrid |
| •Michael Gradzielski, Technical University of Berlin | •Jean Louis Salager, Universidad de Los Andes |
| •Jingcheng Hao, Shandong University | •Dinesh Shah, University of Florida |
| •Patrick Hartley, CSIRO Energy | •Ponisseril Somasundaran, Columbia University |
| •Krister Holmberg, Chalmers University of Technology | •Victor Starov, Loughborough University |
| •Toyoko Imae, National Taiwan University of Science and Technology | •John Texter, Eastern Michigan University |
| •Jong-Duk Kim, Korea Advanced Institute of Science and Technology | •Artur Valente, University of Coimbra |
| | •Francoise Winnik, University of Montreal |
| | •Thomas Zemb, ICSM |

Journal of Surfactants and Detergents Special Edition

The Journal of Surfactants and Detergents, a peer reviewed periodical of the American Oil Chemists' Society published by John Wiley & Sons, will publish invited papers from the 22nd International Symposium on Surfactants in Solution. Brian Grady and Kash Mittal, the symposium organizers, will be guest editors for the special publication. The deadline for paper submissions is October 15, 2018.

Electronic submissions should be submitted through the JSD manuscript portal

at <https://mc.manuscriptcentral.com/jsnd>. Please indicate that the submission is a candidate for a special issue both in the cover letter and in the details and comments section. On behalf of the symposium organizers and JSD, we look forward to your submission.

Program and Sessions

Speakers

Kash Mittal Awardee:

- Krister Holmberg, Chalmers University of Technology

Plenary speakers:

- Masahiko Abe, Tokyo University of Science
- Jean Louis Salager, Universidad de Los Andes
- George Smith, Sasol
- Greg Warr, University of Sydney

Invited speakers:

- Carlos Rodriguez Abreu, Institute for Advanced Chemistry of Catalonia
- Edgar Acosta, University of Toronto
- Sam Adamy, Church and Dwight
- Paschalis Alexandridis, University at Buffalo
- Sunil Bhagwat, Institute of Chemical Technology
- Girma Biresaw, United States Department of Agriculture*
- Emil Chibowski, Marie Curie-Sklodowska University
- Bob Dunn, United States Department of Agriculture*
- Nancy Falk, Clorox
- Charles Hammond, Chemical Foundations, LLC
- Jingcheng Hao, Shandong University
- Jeff Harwell, University of Oklahoma
- Doug Hayes, University of Tennessee
- Krister Holmberg, Chalmers University of Technology
- Vijay John, Tulane University
- Keith Johnston, University of Texas
- Jong-Duk Kim, Korea Advanced Institute of Science and Technology
- Duy Nguyen, NALCO Champion
- Thu Nguyen, Sasol
- Polina Prokopovich, Cardiff University
- Srinivasa Raghavan, University of Maryland, College Park
- Ananth Govind Rajan, Blankschtein Research Group, MIT
- Larry Romsted, Rutgers University
- Ramon Gonzalez Rubio, Lonza*
- Dave Sabatini, University of Oklahoma
- Anniina Salonen, University of Paris-Sud
- Dave Scheuing, Clorox
- Patrick Stenger, Procter & Gamble
- Alberto Striolo, University College London
- Rico Tabor, Monash University
- John Texter, Eastern Michigan University
- Andrei Zelenev, Flotek Industries, Inc.
- Thomas Zemb, ICSM

*Part of 7th International Symposium on Surfactants in Tribology

Networking Program

The Surfactants in Solution Symposium provides fantastic networking opportunities. We invite our guests to take advantage of these times to meet with vendors, meet new colleagues, share research and knowledge, learn about new companies, and discuss the events of the conference.

Opening Reception

SIS2018 will host its opening reception at the Sam Noble Museum in Norman, OK on Sunday, June 3, 2018 from 7:00p.m.-9:00 p.m. This natural history museum, founded in 1899, is located on the campus of the University of Oklahoma. The museum has almost 50,000 sq ft (4,600 m²) of exhibit space. The exhibits will be open for SIS2018 guests and accompanying persons to enjoy during the reception. Food and beverages will be provided during this special time to welcome our guests to Norman, Oklahoma at "one of the world's largest, university-based, natural history museums."

Banquet

SIS2018 will host its banquet at Vast in Oklahoma City, OK on Wednesday, June 6, 2018 from 7:00 p.m.-9:00 p.m. Vast is an upscale restaurant located on the 49th and 50th floors of the Devon Energy Center Corporate Skyscraper, which is the tallest building in Oklahoma. We welcome our guests to join us for dinner and wine to celebrate another successful symposium and continue networking with colleagues.

Meals and Refreshments

Lunch will be provided daily by the conference during a 1 hour and 30 minute lunch break for all registrants. Additionally, 30 minute coffee breaks will be provided daily in the mornings, and 30 minute refreshment breaks will be provided daily in the afternoons for all registrants. These breaks are an excellent opportunity to connect with fellow conference attendees, speakers, and vendors.

Program Schedule

Please click on the following link to view the program schedule: [Program for Website](#)

*SCHEDULE LAST UPDATED ON JUNE 5, 2018.

Poster Sessions

Poster sessions will be Monday and Tuesday evening of the conference. Posters will be pinned to black, fabric presentation boards provided by the conference. Pins will also be provided by the conference.

The presentation boards are 46 inches tall by 94 inches wide (46"x94"). There will be two poster presentations per presentation board. Individual posters should be no larger than 42 inches high and 40 inches wide.

Webinar

One of our speakers will offer a live webinar in place of speaking in person at the conference. Please follow this link* to sign-up for the live webinar presentation. Should you be unavailable during the live webinar, please sign up and a link to view the webinar will be emailed to you after it has been presented.

*Link no longer valid for registration

Registration

Online registration is closed for SIS 2018

***Online registration and acceptance of payment will close at midnight local time (CST) on Tuesday, May 29, 2018. After this time, you can register and/or make payment at the conference site.**

****The deadline for refunds is Friday, May 25th at midnight local time (CST).**

Registration	Dates	Regular Fee	Student Fee
Early bird	Now-April 6, 2018 Midnight Local Time (CST)	\$500	\$150
Regular	April 7, 2018-May 13, 2018 Midnight Local Time (CST)	\$550	\$175
On-site	May 14, 2018-June 7, 2018	\$600	\$200

Event	Date and Time	Regular Registrant	Student Registrant	Guests
Opening Reception Sam Noble Museum Norman, OK	June 3, 2018 7:00 p.m.-9:00 p.m.	Free	Free	Free
Banquet Vast Oklahoma City, OK	June 7, 2018 7:00 p.m.-9:00 p.m.	Free	\$80 per ticket	\$80 per ticket

Conference Info

The SIS2018 conference organizers would like to make this experience as enjoyable and enriching as possible. Therefore, we have provided information regarding special accommodations, lodging, travel, directions, local attractions, and visas to assist you in attending and enjoying this conference. Please follow the links to the left for additional information.

Accommodations

A range of special services are available for persons with disabilities. If you anticipate a need for some of these services, please contact Kristin Trammell at ktrammell@ou.edu.

A lactation room at the conference site will be available to nursing mothers during the conference. If you expect to utilize this resource, please contact Kristin Trammell at ktrammell@ou.edu.

Lodging

The dormitory facilities are located on the OU campus and are a 10-15 minute walk to the conference site. The dormitory rooms are suite style. They offer a single occupied room which shares a bathroom with another single occupied room. The conference will not serve breakfast. If you are interested in eating breakfast, we recommend you eat at the dormitory cafeteria for a cost of \$7.00/meal. You can prepay these meals as part of your dormitory reservation or you can pay at the cafeteria.

Item	Fee	Booking
Single occupied room	\$46/room night	To book a room contact Kristin Trammell at ktrammell@ou.edu

A hotel room block is available in the hotel listed below. This hotel requires ground transportation to reach the conference site. A free [bus](#) that runs once an hour (30 minutes during peak times) and takes approximately 25 minutes (Ed Noble Parkway to Jenkins/Felgar) is available for transportation. The drop off point for this bus is a block from the Union. If demand justifies, we will offer free shuttle buses as well. If you choose to rent an automobile, we will provide free parking next to the Union (conference site) via a special parking pass. This parking pass will be provided during registration at the conference site.

Hotel	Fee	Rooms	Booking
LaQuinta 930 Ed Noble Drive, Norman, OK 73072	\$92/room night	King or double beds available	To book a room call 1-405-579-4000 and identify 'SIS2018 Conference', 'IASR', and confirmation number 09671657. *If you book before May 13, 2018, the price will be \$92.00. If you book after May 13, 2018, the price will be the current room rate. *You must register over the phone for the special conference rate.

Meals and Dining

1. The conference will provide morning coffee, lunch, and afternoon refreshments to all guests.
2. The Opening Reception will provide hors d'oeuvres and two drink tickets preceding a cash bar.
3. The banquet will provide dinner and wine.
4. Please see the attached Restaurant Guide for the city of Norman dining suggestions. You will likely have to drive to these venues.
5. Please see the attached guide for Campus Corner dining suggestions that are within walking distance of the conference site.
6. The OMU, where the conference sessions will be held, has the following restaurants (open Monday-Friday: 7:30 a.m. – 3:00 p.m.) within the building:

CHICK-FIL-A

CROSSROADS RESTAURANT

QUIZNOS SUB

STARBUCKS

7. If you are staying at the dormitory facilities, you may eat at couch restaurant, which is located in the same building. The restaurant has multiple stations and buffets available and accepts cash, debit card, and credit card. Hours are:

Breakfast: 7:00 a.m.-9:00 a.m.; \$8.00

Lunch: 11:00 a.m.-1:30 p.m.; \$9.00

Dinner: 4:30 p.m.-6:30 p.m.; \$10.00

Parking

1. Parking at the Conference Site (OMU): Free parking near the conference site will be provided to those who plan to drive personally. The parking lot is about a ten minute walk to the conference site. Parking is based on availability. Therefore, it is recommended you arrive by 8:00 a.m. to guarantee a parking spot.

Address:

C1 Parking Lot

564 South University Drive
Norman, Oklahoma 73069

2. Parking at LaQuinta Inn is free.
3. Parking at the dormitory facilities is free. You will receive a parking pass upon check-in at the dorms.
4. Parking at Sam Noble Museum for the Opening Reception is free.
5. Parking for the banquet costs and is rather difficult due to the location of the event, so it is recommended you take the provided charter bus for this event.

Transportation

***Click here to view the shuttle schedule: [Shuttle Schedule](#).**

Transportation will be provided:

Opening Reception

From LaQuinta Inn/Oklahoma Memorial Union to Opening Reception

From Opening Reception back to LaQuinta Inn

Those staying at the dorms will have a 15 minute walk to/from the Opening Reception. See attached map of walking route: [Couch Dorms to Sam Noble](#)

Conference

From LaQuinta Inn to Oklahoma Memorial Union at the beginning of the conference day

From Oklahoma Memorial Union to LaQuinta Inn at the end of the conference day

Those staying at the dorms will have a 15 minute walk to/from the Oklahoma Memorial Union for the conference. See attached map of walking route: [Couch Dorms to Oklahoma Memorial Union](#)

Banquet

Transportation to the banquet will be provided from the Oklahoma Memorial Union via charter buses.

These buses will leave 50 minutes after the last session on Wednesday evening. It is recommended you remain at or near the Oklahoma Memorial Union to load the charter buses during this time. Parking for the banquet costs and is rather difficult due to the location of the event, so it is recommended you take the provided charter bus for this event.

Travel from Airport to Hotel

Taxi: Taxis are available immediately outside the terminal and will cost approximately \$50 (US Dollars) one-way.

Uber: Costs will depend on factors such as the time of day, but in general they will be between that of a shared ride shuttle and a taxi.

Airport Shuttle: This is a shared ride shuttle and will cost \$38 (US Dollars) one-way.

Important Addresses

OPENING RECEPTION

Sam Noble Museum

2401 Chautauqua Avenue

Norman, OK 73072

+1-405-325-4712

COUCH CENTER DORMS

1524 Asp Ave

Norman, OK 73072

Phone: +1-405-325-0867

LAQUINTA INN

930 Ed Noble Dr

Norman, OK 73072

Phone: +1-405-579-4000

*Please dial 5 for the front desk

OKLAHOMA MEMORIAL UNION

900 Asp Avenue
Norman, OK 73019

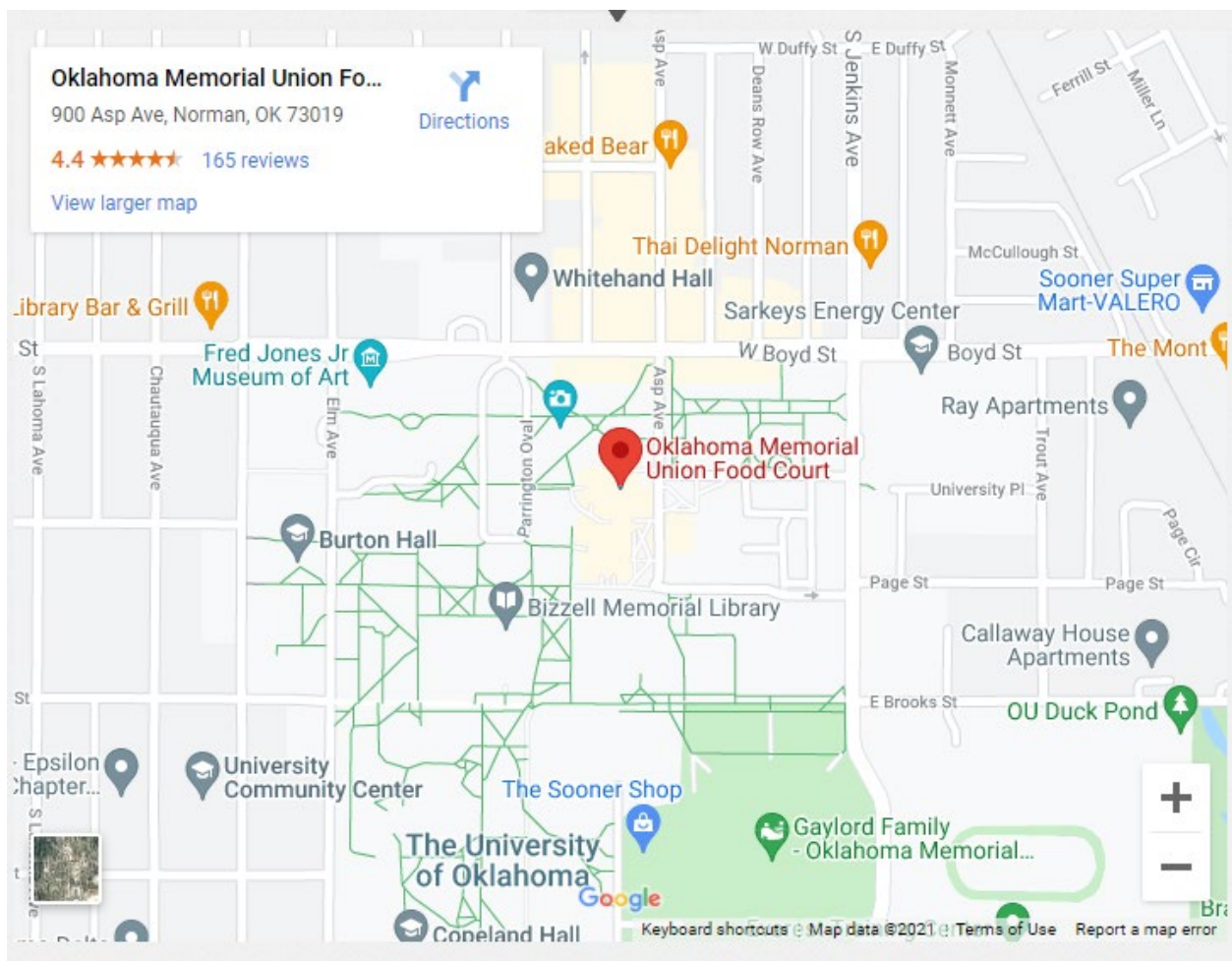
C1 PARKING LOT

564 South University Drive
Norman, Oklahoma 73069

Directions and Map

The conference will be held at the Oklahoma Memorial Union, which is located on the North end of The University of Oklahoma Campus, near the intersection of Boyd Street and Asp Avenue.

Please use the directions function on the map below to plan your route to the OMU.



Local Attractions

The City of Norman and The University of Oklahoma offer visitors many opportunities to experience the culture, history, and beauty of the region at no cost:

- [Campus Corner](#)

Campus Corner is a college-oriented commercial district in Norman, Oklahoma located directly north of the University of Oklahoma campus. The district is home to four blocks of unique retail shopping and mixed-use development, including restaurants, bars, clothing stores, OU memorabilia, personal care, and other businesses and professional organizations.

- [Fred Jones, Jr. Museum](#)

Through its growing collections, diverse exhibitions, and programs, the Fred Jones Jr. Museum of Art creates opportunities for the University family, the people of Oklahoma, and our national and international audiences to derive knowledge, understanding, and enjoyment from the visual arts.

- [National Weather Center](#)

The National Weather Center houses a unique confederation of The University of Oklahoma, National Oceanic and Atmospheric Administration, and state organizations that work together in partnership to improve understanding of events occurring in Earth's atmosphere over a wide range of time and space scales. Public tours include visits to the McCasland Family Observation Deck, OU's School of Meteorology, the National Weather Center (NWC) Roof Top Observatory, classroom and laboratory facilities, as well as NOAA's Storm Prediction Center, the National Weather Service Norman Forecast Office, and the National Severe Storms Laboratory.

- [Self-Guided Campus Tour](#)

The University of Oklahoma offers self-guided tour booklets written to give a general overview and historical points of interest. The self-guided tour allows guests of The University of Oklahoma to experience the beautiful campus by day or night at one's own pace and convenience.

- [Gaylord Family Oklahoma Memorial Stadium](#)

Gaylord Family – Oklahoma Memorial Stadium is one of America's most recognized college football cathedrals. Situated on the east side of the Norman campus, this historical facility is the largest sports arena in the state and ranks among the 15 largest on-campus facilities in the nation.

- [The Moore-Lindsay Historical House Museum](#)

The Moore-Lindsay House is a Queen Anne-style home built prior to 1900 by prominent Norman home builder William Moore. It was purchased by the city of Norman in 1973 and now serves as Cleveland County's historical museum. The Cleveland County Historical Society maintains a collection of over 5,000 rare books, documents, and other artifacts in its archives located inside the museum.

Visa Info

Visa applicants from many countries must now apply **3 to 4 months in advance** of their travel date. [The U.S. Department of State](#) maintains a comprehensive Web site containing information about traveling to the United States. If an invitation letter is needed, please contact [Sonya Norman](#).

Abstract Submission

Closed for Submissions.

The deadline for abstract submissions was March 16, 2018.

Vendors

Become a Vendor

Acceptance of vendor applications is now closed.

How to Become a Vendor at SIS2018

Vendors are considered to be a critical part of the Surfactants in Solution Conference. Basic sponsorship opportunities start at \$2,000.

Benefits of basic sponsorship are as follows:

- A standard space that measures 8'x'10' with necessary 8' tables for display
- 110 volt power will be provided at each space.
- Company logo placement on this webpage linked to the company website as well as a brief description of company/products
- Company logo placement in the printed program along with a brief description of company/products
- One free full-price registration to attend technical sessions and the conference banquet

Beyond this basic level of participation, sponsorship opportunities exist for the opening reception, refreshment breaks, and company logo placement on conference nametag lanyards. Please contact Sonya Norman (norman.sonya@ou.edu) for more information about how a vendor can be a part of SIS.

*Vendors are encouraged to bring free-standing displays if desired. Additional space is available for an additional cost. Vendor booths will be located in the same ballroom as the plenary sessions and food breaks, a high traffic area.

Meet Our Vendors

Meet Our Confirmed Vendors

American Oil Chemists' Society



The American Oil Chemists' Society (AOCS) is the leading scientific organization for professionals working with fats, oils, proteins, surfactants, and related materials. AOCS fosters research collaborations and provides professional development for surfactant chemists through its meetings, Surfactants and Detergents Division, and the peer-reviewed Journal of Surfactants and Detergents (JSD). Many of the organizers and invited speakers of SIS 2018 are involved with JSD as editors, authors, and reviewers. Annually, AOCS brings together surfactant chemists at the AOCS Annual Meeting & Expo; every two years, the Society convenes industry leaders at the Fabric and Home Care World Conference. Both individuals and companies can become members of AOCS. To learn more, visit with AOCS staff during SIS and go to aocs.org/journals.

Anton Paar



Anton Paar produces high-end measuring and laboratory instruments for industry and research. It is the world leader in the measurement of density, concentration, and CO₂ and in the field of rheometry. Other areas of specialty are: Petroleum testing, microwave synthesis, viscometry, polarimetry, refractometry, X-ray scattering, sample preparation, and surface characterization. The core competence of Anton Paar – high-precision production – and close contact to the scientific community, form the basis for the quality of Anton Paar's instruments. Continuous training and investments in R&D ensure that Anton Paar products live up to their excellent reputation.

Biolin Scientific



Biolin Scientific is a leading Nordic instrumentation company with roots in Sweden and Finland. We actively partner with scientists around the world sharing knowledge and expertise allowing our users to perform research at the frontiers of surface science technology. Our products include:

Attension: Contact angle and surface tension solutions for research and quality control.

KSV NIMA: Instruments and measurement solutions for thin film fabrication and characterization.

QSense: Real-time analysis of molecular interactions and surface properties.

DataPhysics



DataPhysics Instruments offers innovative analysis solutions for surface and interfacial-related applications. Analyzing wettability, surface tension of liquids, stability of emulsions & dispersions and other surface and interfacial parameters are our specialty. Our broad instrument portfolio includes powerful Optical Contact Angle devices, Dynamic Contact Angle Tensiometers, Spinning Drop Tensiometers, stability analysis of emulsions & dispersions with the new MultiScan MS-20, and Humidity Generators. With our broad accessories range, even the most challenging measuring tasks are easy to handle. From our new U.S. headquarters in Charlotte, NC, we now offer local sales, service, applications support and contract testing. Welcome to the world of interfaces!

KRÜSS



As the world's leading supplier of measuring instruments in the field of surface and interfacial chemistry, KRÜSS not only provides high quality product solutions but also offers a combination of technology and scientific advice. We have convinced many well-known companies and institutes with our know-how, precision, and passion. With our tensiometers, instruments for contact angle measurement, as well as foam analysis instruments, we provide support to the research and development laboratories and quality control centers of countless industries.

Formulation Inc.



For over 20 years, Formulation has developed instrumentation that provides solutions to measuring and predicting the stability and rheology of concentrated emulsions, dispersions, foams, and powders. Multiple Light Scattering is used to track particle movement and correlate this to events such as sedimentation, creaming, clarification, flocculation, gelation, and thermal phase transitions while our new microfluidic technology allows for rapid viscosity versus shear rate flow curve generation.

Vendor Schedule

Setup: Sunday, June 3, 2018, 2:30 p.m.-5:30 p.m.

Vendors will have time on Sunday to view and setup their booths for the week. If certain items are required to be setup on a daily basis, this may be done each morning between 7:30 a.m.-8:30 a.m. Since vendor booths are located in the same ballroom as our plenary sessions and lunch/refreshment breaks, setup must be complete by 8:30 a.m. in order to avoid disruption of the program.

Tear Down: Thursday, June 7, 2018, 5:00 p.m.

Exhibition

The below times are the times vendor booths will be open for exhibition. We expect you will get most traffic during morning coffee breaks, lunch, afternoon coffee breaks, and the Monday/Tuesday evening poster sessions. Specific times for these high traffic times can be viewed on our program schedule listed on this website.

Monday, June 4, 8:00 a.m.-6:30 p.m.

Tuesday, June 5, 8:00 a.m.-6:30 p.m.

Wednesday, June 6, 8:00 a.m.-5:45 p.m.

Thursday, June 7, 8:00 a.m.-5:00 p.m.

*The above schedules have some flexibility if your company's exhibitors have different needs or availability.

Additional Details:

We have space available to hold items for you if you need to ship them. We will open that space on May 30, 2018. Please notify Sonya Norman at norman.sonya@ou.edu in advance if you need to use this resource so we can be aware of any incoming items.

Vendor Location

Vendor booths will be located in the same space as the plenary sessions and lunch/refreshment breaks. We expect vendors to have the most traffic during the Monday and Tuesday poster sessions as well as the daily morning coffee breaks, lunch breaks, and afternoon refreshment breaks. The full schedule of our program can be viewed under the 'Program and Sessions' tab of our website. Vendors will be located at:

Molly Shi Boren Ballroom

Third Floor, Central

Oklahoma Memorial Union

900 Asp Ave

Norman, Oklahoma 73019

	SUNDAY		
2:30-5:30	Registration - Oklahoma Memorial Union, Third Floor, Stuart Landing		
6:30-7:30	Registration - Sam Noble Museum		
7:00-9:00	Opening Reception at Sam Noble Museum (cash bar, first two drinks are complementary)		

	MONDAY		
7:30-8:30	Registration - Oklahoma Memorial Union, Third Floor, Stuart Landing		
8:30-9:00	Opening Ceremony - Oklahoma Memorial Union, Third Floor, MSB Ballroom		

	Plenary - Oklahoma Memorial Union, Third Floor, MSB Ballroom Moderator: Kash Mittal		
9:00-10:00	2725	Interactions Between Surfactants and Lipases at Interfaces	Holmberg, Krister

10:00-10:30	Coffee Break - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
-------------	--	--	--

	Session 1A: Surfactants in Separations Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Jeff Harwell		
10:30-11:10	2665	Minimizing Effluents During Rare Earth Separation from Iron Using Water-Poor Microemulsions	Zemb, Thomas
11:10-11:30	2562	β -Carotene Extraction via Lecithin-Linkers Microemulsions from Carrot Pomace	Lin, Shuting
11:30-11:50	2566	Surfactants as Draw Agents in Forward Osmosis Processes	Roach, Jim
11:50-12:10	2589	Evaluation of New Vegetable Emulsifiers Efficiency by Multiple Light Scattering	Vanden Eynden, Matt
		Co-authors: Bru, Pascal; Tisserand, Christelle; Meunier, Gérard	

	Session 1B: Adsorption at Solid-Liquid Interfaces Oklahoma Memorial Union, Third Floor, Associates Room Chair: Polina Prokopovich		
10:30-11:10	2696	Multi-Scale Surfactant Simulations Relevant for Adsorption and Emulsions	Striolo, Alberto
11:10-11:30	2579	The Effect of Surfactant Structure on Wettability Alteration in Limestone Cores	Raj, Ajay
		Co-authors: Poindexter, Laurie; Wilson, Dan; Nguyen, Thu	
11:30-11:50	2539	High-Speed AFM Observation of Solubilization-Induced Morphological Change in Surfactant Aggregates Adsorbed on Silica	Sakai, Kenichi
		Co-authors: Koizumi, Keito; Akamatsu, Masaaki; Sasaki, Shinya; Sakai, Hideki	
11:50-12:10	2668	Force Mapping and Characterization of Surfactant Adsorbed on Flat Surfaces	Hamon, Joshua Jacob W.

12:10-1:40	Lunch - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
------------	---	--	--

	Session 2A: Surfactant Mixtures Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Jean-Louis Salager		
1:40-2:20	2651	Ion-Specific Effects on Micelles Reflect Interfacial Headgroup-Counterion Pairing and Dehydration: A Molecular Dynamics/Chemical Trapping Study	Romsted, Laurence S.
2:20-2:40	2491	X-ray Diffraction and Reflectivity of Mixed Gemini Surfactant Monolayers at the Air-Water Interface	Paige, Matthew
2:40-3:00	2517	The Formation of Mixed Vesicles in the DODAB/NaCl and DODAC/NaBr Aqueous Systems	Feitosa, Eloi
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
3:30-3:50		Break	
3:50-4:10	2571	Prediction of the Viscosity “Salt Curve” of Charged Surfactants in Presence of Salt, Model Solutes or Fragrances	Pleines, Maximilian
4:10-4:50	2657	Robust Reference Surfactants for Determining HLD Parameters	Harwell, Jeffrey H.
		Co-authors: Shiau, Ben; Warren, Michael	

	Session 2B: Self-Assembly Oklahoma Memorial Union, Third Floor, Associates Room Chair: Srinivasa Raghavan		
1:40-2:20	2533	Self-Assembled Lipid Architectures Modulated with Polymer Amphiphiles in the Design of Functional Nanostructures	John, Vijay T.
2:20-2:40	2669	Understanding the Effects of Surface Roughness on Surfactant Adsorption via Controlled Lateral Confinement	Hamon, Joshua Jacob W.
2:40-3:00	2524	Liposomes Coated with Polyelectrolytes Using the Layer-by-Layer Method, Building Method, Characterization and Filling Them with Magnetic Particles	Rubio, Ramon G.
		Co-authors: Mateos-Maroto, Ana; Ruano, Marta ; Guzmán, Eduardo; Martínez-Pedrero, Fernando; Ortega, Francisco	
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-4:10	2679	Polyelectrolyte Structure Governing Drug Release from LbL Constructs	Prokopovich, Polina
4:10-4:50	2596	Ploxamer-Based Formulations: Structure and Function through Self-Assembly	Alexandridis, Paschalis

5:00-6:30		Monday Poster Session	
		Oklahoma Memorial Union, Third Floor, Governors Room	
1	2569	New Flocculants with Biocidal Properties for Oil Production Industry	Abdiyev, Kaldibek
		Co-author: Toktarbay, Zhexenbek	
2	2565	Electric-Field-Assisted Catalysis on Aromatic Monolayer Surface	Akamatsu, Masaaki
		Co-authors: Sakai, Naomi; Matile, Stefan	
3	2484	Role of Polyelectrolyte Hydrolysis and Electrostatic Attraction in Gentamicin Release from Layer-by-Layer Coated Silica Nanoparticles	Prokopovich, Polina
		Co-authors: Al Thaher, Yazan; Perni, Stefano	
4	2597	Biosurfactant Solution Self-Assembly and Surface Adsorption Properties	Alexandridis, Paschalis
		Co-authors: Zhang, Yi; Jahan, Ruksana; Tsianou, Marina	
5	2511	Production and Characterization of Biosurfactant from Pseudomonas Sp. Isolated from Petroleum-Contaminated Soil	Anyanwu, Chukwudi Uzoma
		Co-author: Okolo, Bartholomew Ndubuisi	
6	2549	Physicochemical Characteristic of Biocompatible Hybrid Films	Chibowski, Emil J.
7	2509	Physico-Chemical Characterization of the Interaction between Pluronic F127 and a Plant Saponin in Aqueous Solution	Feitosa, Eloi
8	2567	Differential Scanning Calorimetry Study of Thermotropic Phase Transitions of Pure SOPC Membrane and in Presence of Cholesterol and Gold Nanoparticles	Gaminchev, Kostadin
		Co-authors: Slavkova, Zdravka; Genova, Julia L.; Chamati, Hassan	
9	2686	Effects of Diblock Carbon Nanotubes on the Adhesion Between Immiscible Polymers	Ide Seyni, Fatoumata
10	2726	Effect of the Partially Hydrophobic SiO ₂ Nanoparticles on Surfactant Stabilized Foam System for Enhanced Oil Recovery Application	Rattanaudom, Pattamas
		Co-authors: Shiau, Benjamin; Suriyapraphadilok, Uthaiorn; Charoensaeng, Ampira	
11	2735	COSMOplex – Self-Consistent Simulation of Self-Organizing Systems	Gaudin, Théophile
		Co-authors: Uwe, Huniar; Larissa, Koch; Johannes, Schwöbel; Selman, Terzi; Andreas, Klamt	

TUESDAY			
8:15-8:45	Registration - Oklahoma Memorial Union, Third Floor, Stuart Landing		
8:45-9:00	Housekeeping - Oklahoma Memorial Union, Third Floor, MSB Ballroom		

	Plenary - Oklahoma Memorial Union, Third floor, MSB Ballroom Moderator: Brian Grady		
9:00-10:00	2715	Surfactants in Solutions of Ionic Liquids and Other Amphiphiles	Warr, Gregory G.

10:00-10:30	Coffee Break - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
-------------	--	--	--

	Session 3A: Novel Surfactants Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Alberto Striolo		
10:30-11:10	2695	New Carbohydrate Surfactants for Controlling Rheology and Encapsulation	Tabor, Rico
11:10-11:30	2599	Fluorinated Surfactants: Micellization and Binding to Polymers in Aqueous Solutions Co-authors: Kancharla, Samhitha; Bedrov, Dmitry	Alexandridis, Paschalis
11:30-11:50	2584	Modification of the Phase Behavior and Hydration Properties of Phosphatidylcholines by β -Sitosteryl Sulfate Co-authors: Akamatsu, Masaaki; Bhadani, Avinash; Sakai, Kenichi; Kaise, Chihiro; Kaneko, Teruhisa; Sakai, Hideki	Kafle, Ananda
11:50-12:10	2613	Mixed Micellar Interactions of Binary Mixtures of Alpha Olefin Sulfonate and Nonylphenol Polyethylene Glycol Ethers: Length Effects of Ethylene Oxide Co-authors: Wang, Shuoshi; Grady, Brian; Harwell, Jeffrey; Shiau, Ben	Chen, Changlong

	Session 3B: Surfactant Theory and Simulations Oklahoma Memorial Union, Third Floor, Associates Room Chair: Larry Romsted		
10:30-11:10	2467	Understanding Surfactant-Induced Exfoliation and Dispersion of Nanomaterials in Aqueous Solutions Using Molecular Dynamics Simulations Co-author: Blankschtein, Daniel	Govind Rajan, Ananth
11:10-11:30	2559	Designing Surfactant-only EOR Formulations for a Mature Oil Field in Western Central Oklahoma: Laboratory Feasibility and Simulation Efforts Co-authors: Chen, Changlong; Yuan, Na; Shiau, ShuoBor-Jier (Ben); Harwell, Jeffrey H.	Wang, Shuoshi
11:30-11:50	2460	The Polarity Moment: A New Quantum-Chemical Index to Assess the Degree of Surface Activity of Molecules	Gaudin, Théophile
11:50-12:10	2561	Classical Hamaker-Based Integrated Free Energy Model (IFEM) and the Equivalent Alkane Carbon Number (EACN)	Boza, Americo

12:10-1:40	Lunch - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
------------	---	--	--

	Session 4A: Foams and the Air-Water Interface Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Girma Biresaw		
1:40-2:20	2558	Controlling Foam Stability with Surfactant Assemblies	Salonen, Anniina
2:20-2:40		Please visit session 4B during this time, or enjoy a break.	
2:40-3:00	2698	Co-Adsorption of Solvent and Surfactant at an Air-Solution Interface	Forbes, Natalie
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-4:10	2664	Apparatus for Measuring Foamability	Bhagwat, Sunil
4:10-4:50	Break		

	Session 4B: External Stimuli Effects on Surfactants Oklahoma Memorial Union, Third Floor, Associates Room Chair: Jong-Duk Kim		
1:40-2:20		Please visit session 4A during this time, or enjoy a break.	
2:20-2:40	2683	Functionalization of Magnetic Particles by Amino Acid-Based Surfactants for Water Depollution Application	Bordes, Romain
		Co-author: Chauhan, Vinay	
2:40-3:00	2583	Growth and Morphology Change of Pluronic Surfactant Micelles with Increasing CO ₂ pressure	Sagisaka, Masanobu
		Co-authors: Takahashi, Koki; Suto, Takumi; Yagihashi, Toma; Yoshizawa, Atsushi; Eastoe, Julian	
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-3:50	2568	Surface Properties of Plasma Activated Chitosan Foils	Terpilowski, Konrad
3:50-4:30	2548	Magnetic Field Effects on Anionic and Cationic Surfactant Solutions	Chibowski, Emil J.
4:30-4:50	Break		

5:00-6:30	Tuesday Poster Session Oklahoma Memorial Union, Third Floor, Governors Room		
1	2581	Developments of Amphiphilic Lophine Dimers toward Acceleration of the Radical Recombination Reaction with Inner Environment of the Micelles	Kobayashi, Kazuki
		Co-authors: Sakai, Hideki; Sakai, Kenichi; Akamatsu, Masaaki	
2	2678	Using Zeta Potential to Investigate Adsorption of Surfactants on Polymer Surface	Nash, Diana
		Co-author: Radhakrishnan, Vinod	
3	2523	A Model of Surfactant Systems in Computer Simulations	Raschke, Simon
		Co-Author: Heuer, Andreas	
4	2598	Langmuir Monolayers of Carbon Dots	Seven, Elif S.
		Co-authors: Sharma, Shiv K.; Leblanc, Roger M.	
5	2564	α -Gel Formation by Oleic Acid-Based Gemini Surfactant	Sugahara, Tadashi
		Co-authors: Takamatsu, Yuichiro; Akamatsu, Masaaki; Sakai, Kenichi; Sakai, Hideki	
6	2552	Temperature-Dependent Aggregation of Aqueous Solutions of Binary Mixtures of Kolliphors – Volumetric and Viscometric Approach	Terpilowski, Konrad
7	2605	Specific Ion Effects in Anionic Type III Microemulsions	Warren, Michael T.
		Co-authors: Shiau, Ben; Harwell, Jeffrey	
8	2676	Microemulsion Behavior of Sulfoxide Surfactant Solutions	Shahrashoob, Zahra
		Co-author: Grady, Brian	
9	2720	Phase Stability, Basic Fuel Properties, and Engine Performance of Palm Oil-Based Microemulsion Biofuels	Phaodee, Parichat
		Co-authors: Attaphong, Chodchanok; Morawan, Nattaya; Sarikprueck, Piampoom; Arpornpong, Noulkamol; Charoensaeng, Ampira; Sabatini, David A.	
10	2727	Palm Oil Based Microemulsion Biofuel using Alcohol Ethoxylate Surfactants: The Effect of Ethylene Oxide (EO) Groups	Charoensaeng, Ampira
		Co-authors: Peson, U-Larak; Arpornpong, Noulkamol; Sabatini, David A; Khaodhiar, Sutha	
11	2610	Micellization of Alcohol Ethoxylate Surfactants in Aqueous Solutions: Effect of Linker between Alkyl and Ethoxylate	Alexandridis, Paschalis
		Co-authors: Bodratti, Andrew; Cheng, Junce; Chow, Matthew; Tsianou, Marina	
12	2594	Nondestructive Encapsulation of Carbon Nanotubes by Admicellar Polymerization for Aqueous Dispersion	O'Rear, Edgar A.
		Co-authors: Hanumansetty, Srinivas; Seneewong-Na-Ayutthaya, Montira; Pongprayoon, Thirawudh	

	WEDNESDAY		
8:15-8:45	Registration - Oklahoma Memorial Union, Third Floor, Stuart Landing		
8:45-9:00	Housekeeping - Oklahoma Memorial Union, Third Floor, MSB Ballroom		

	Plenary - Oklahoma Memorial Union, Third floor, MSB Ballroom		
	Moderator: David Sabatini		
9:00-10:00	2629	Physical Chemistry and Performance Properties of Guerbet Ethoxylates	Smith, George

10:00-10:30	Coffee Break - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
-------------	--	--	--

	Session 5A: Formulation Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Anniina Salonen		
10:30-11:10	2551	Advances in Surfactant Formulation Engineering	Acosta, Edgar J.
11:10-11:30	2500	Hyper Internal Phase W/O Emulsion Stabilized with a Surfactant that Forms a Bicontinuous Cubic Liquid Crystal in Aqueous Solution	Watanabe, Kei
11:30-11:50	2540	Micellization and Hydration of Long-Chain Functionalized Quaternary Ammonium Chlorides	Medos, Ziga
		Co-authors: Friesen, Sergej; Buchner, Richard; Bester-Rogac, Marija	
11:50-12:10	2580	A Study of the Surface Behavior and Molecular Dynamics of Polyglyceryl Ester Chemistries	Pambou, Elias

	Session 5B: Transformable Surfactants Oklahoma Memorial Union, Third Floor, Associates Room Chair: Rico Tabor		
10:30-11:10	2479	Cleavable Surfactants: A Comparison between Carbonate, Ester, and Amide as Weak Bond	Holmberg, Krister
		Co-authors: Stjerndahl, Maria; Tehrani, Ali Reza; Chauhan, Vinay; Bordes, Romain	
11:10-11:30	2612	Photochemical Control of Interfacial Chemical Properties with Novel Photo-Cleavable Surfactants	Sakai, Hideki
		Co-authors: Nagai, Tsubasa; Fukuda, Kaori; Tsuchiya, Koji; Akamatsu, Masaaki; Sakai, Kenichi	
11:30-11:50	2591	Reversibility of Hydrophobic Nanoparticle Flocculation Controlled by Switchable Surfactant	Hellström, Anna-Karin
11:50-12:10	2516	Photorheological Fluids Formed by Self-Assembly of Surfactants, Colloids, or Biopolymers	Raghavan, Srinivasa R.

	Session 5C: Gemini and Amphiphilic Surfactants Oklahoma Memorial Union, Second Floor, Frontier Room Chair: Emil Chibowski		
10:30-11:10	2515	Reversible Gelation of Vesicles and Biological Cells Using Amphiphilic Biopolymers	Raghavan, Srinivasa R.
11:10-11:30	2658	Solubilization and Stabilization Study of Anti-Inflammatory Drug in Aqueous Gemini Surfactants Solution: Physico-Chemical and Antimicrobial Characterization with Computational Study	Kuperkar, Ketan
11:30-11:50		Please visit session 5A or 5B during this time, or enjoy a break.	
11:50-12:10	2512	Self-Aggregation and Physicochemical Properties of Ester Functionalized Gemini Surfactants with Different Cationic Headgroups	Bhadani, Avinash
		Co-authors: Sakai, Kenichi; Sakai, Hideki; Abe, Masahiko	

12:10-1:40	Lunch - Oklahoma Memorial Union, Third Floor, MSB Ballroom		
------------	---	--	--

	Session 6A: Surfactants in Cleaning and Cosmetics Oklahoma Memorial Union, Third Floor, Scholars Room Chair: David Sabatini		
1:40-2:20	2666	Water Soluble Polymers in Household Cleaning Products – Benefits and Mechanisms	Scheuing, Dave
2:20-2:40		Please visit session 6B during this time, or enjoy a break.	
2:40-3:00	2661	The Effect of Salinity, Surfactant Systems, and Alcohol Molecules on Cold Water Detergency of Triglyceride Semi-Solid Soils	Phaoodee, Parichat
		Co-author: Sabatini, David A.	
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-4:10	2485	Polymeric Dispersions for Advanced Materials – Thermodynamic Stability and Stimuli-Responsive Stability Control	Texter, John
4:10-4:30	2721	Laundry Detergency of Solid Non-Particulate Soil or Waxy Solids	Sabatini, David
4:30-5:10	2595	Branched Surfactants for Detergent Compositions Suitable for Low Energy Wash Cycles	Stenger, Patrick
		Co-author: Vinson, Phil	

	Session 6B: General Surfactant Topics I Oklahoma Memorial Union, Second Floor, Frontier Room Chair: Vijay John		
1:40-2:20	2534	Surfactant-Based Formulation of Emulsions and Derived Functional Particles at Various Size Scales	Rodriguez-Abreu, Carlos
2:20-2:40	2590	Synthetic Polymeric Glasses - Alternatives to Quenching	Texter, John
2:40-3:00	2519	Prediction of Cloud Point Curves for Alkyl Ethoxylates with the Hydrophilic-Lipophilic-Difference + Net-Average-Curvature (HLD-NAC) Framework	Choi, Francis
		Co-authors: Zarate-Muñoz, Silvia; Acosta, Edgar	
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-4:10	2607	Interfacial Surface Properties of Poly(Ethylene Oxide) Surfactants	Sanedrin, Raymond
		Co-auhors: Qi, Luqing; Verduzco, Rafael	
4:10-4:30	2538	Effect of Water on Adsorption Layer Structure of Ionic Liquid	Kawada, Shouhei
		Co-authors: Sasaki, Shinya; Miyatake, Masaaki	
4:30-5:10	Break		

	Session 6C: General Surfactant Topics II Oklahoma Memorial Union, Third Floor, Associates Room Chair: Doug Hayes		
1:40-2:20	2504	Internally Networked Nanogel with Stimuli-Responsive Layer for Drug Delivery	Kim, Jong Duk
2:20-3:00	2722	Wetting of Polymer Surfaces by Aqueous Surfactant Solutions	Grady, Brian
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
	Session 6D: 7th International Symposium on Surfactants in Tribology Oklahoma Memorial Union, Third Floor, Associates Room Chair: Doug Hayes		
3:30-4:10	2537	Advances in Biobased Lubricant Additive Development	Biresaw, Girma
		Co-authors: Bantchev, Grigor B.; Liu, Zengshe (Kevin); Harry-O'Kuru, Rogers E.	
4:10-4:30	2482	Influence of Surfactants on the Tribological Behavior of Nanoparticles Additives under Boundary Lubrication Conditions	Jazaa, Yosef
4:30-5:10	2576	Lubricity of Biobased Diesel Fuels and Additives	Dunn, Robert O.
		Co-authors: Ngo, Helen; Knothe, Gerhard	

	Banquet	
5:45-6:00	Load Buses at OMU	
6:00-6:45	Drive to Vast Restaurant	
6:45-9:00	Banquet at Vast Restaurant	
9:00-9:15	Load Buses at Vast Restaurant	
9:15-10:00	Drive to Norman	

	THURSDAY	
8:15-8:45	Registration - Oklahoma Memorial Union, Third Floor, Stuart Landing	
8:45-9:00	Housekeeping - Oklahoma Memorial Union, Third Floor, MSB Ballroom	

	Plenary Oklahoma Memorial Union, Third floor, MSB Ballroom Moderator: Jeff Harwell	
9:00-10:00	2508 Sustainable Surfactants Derived from Renewable Feedstock	Abe, Masahiko

10:00-10:30	Coffee Break - Oklahoma Memorial Union, Third floor, MSB Ballroom	
-------------	--	--

	Session 7A: Subsurface Applications of Surfactants Oklahoma Memorial Union, Third Floor, Scholars Room Chair: John Texter	
10:30-11:10	2532 Surfactants in Subsurface	Johnston, Keith
11:10-11:30	2611 A New Surfactant Flushing Technology for Remediation of DNAPL-Contaminated Aquifers	Bang, Sangho
	Co-authors: Shiau, Ben; Harwell, Jeffrey; Yuan, Na	
11:30-11:50	2472 Characterization of Viscosified Water by Polymer to be Used as Chemical Method for Enhanced Heavy Oil Recovery	Carrasquero, Migdalia
	Co-author: Castro, Yefrenck	
11:50-12:10	2582 Propagation of Surfactant-Dispersed Multi-Walled Carbon Nanotubes in Porous Media	Chen, Changlong
	Co-authors: Wang, Shuoshi; Yuan, Na; Shiau, Ben; Harwell, Jeffrey	

	Session 7B: Rheology Oklahoma Memorial Union, Third Floor, Associates Room Chair: Andrei Zelenev	
10:30-11:10	2659 Viscoelastic Behavior of Alkyl Ether Sulfate Systems Containing Nano-sized Colloidal Silica	Adamy, Steven T.
11:10-11:30	2513 Entanglements, Gliding Connections, and End-Caps Control Viscosity of Concentrated Giant Reverse Micelles	Pleines, Maximilian
11:30-11:50	2518 Effect of Surfactant Length and Various Oils on Inducing Viscoelastic Behavior in Surfactant-Oil-Water Systems Via the Formation of Wormlike Micelles and Liquid crystals	Choi, Francis
	Co-author: Acosta, Edgar J	
11:50-12:10	2723 Particulate Soil Removal in Laundry Detergency	Sabatini, David

12:10-1:40	Lunch - Oklahoma Memorial Union, Third floor, MSB Ballroom		
------------	---	--	--

	Session 8A: Microemulsions Oklahoma Memorial Union, Third Floor, Scholars Room Chair: Greg Warr		
1:40-2:20	2470	Purification and Behavior of Proteins and Membrane-Associated Peptides through Extraction via Winsor-III Systems into Bicontinuous Microemulsions	Hayes, Douglas G.
		Co-authors: Ye, Ran; Urban, Volker S.; O'Neill, Hugh M.; Pingali, Sai Venkatesh; Sharma, Veerendra K.; Dunlap, Rachel N.	
2:20-2:40	2542	Water-in-Oil Microemulsions as Carriers of Nisin: How the Structure Affects Efficacy	Xenakis, Aristotelis
2:40-3:00	2593	Stimuli Responsive Microemulsion for Breast Cancer: Investigation on SAXS, Rheology, and Drug Release Kinetics	Shah, Vidhi
		Co-authors: Bharatiya, Bhavesh; Shukla, Atindra; Hassan, P.A.; Vasu, Vihas; Shah, Dinesh O.	
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-3:50	2573	A New Approach to Polar Oil Assessment Using the HLD Equation: Simultaneous Measurement of EACN and Cc	Ghayour, Amir
		Co-author: Acosta, Edgar	
3:50-4:10	2585	Coupled Viscosity and Phase Behavior Model for Microemulsions	Torrealba, Victor A.
		Co-author: Hoteit, Hussein	
4:10-4:50	2502	Characterization of Emulsions, Microemulsions, and Surfactant Phase Equilibria by Acoustic Spectroscopy: Issues, Challenges, and Opportunities	Zelenev, Andrei S.

	Session 8B: Surfactants in Applications I Oklahoma Memorial Union, Third Floor, Associates Room Chair: Brian Grady		
1:40-2:20	2690	Improving Hair's Cosmetic Touch by Conditioning Charged Surfactant-Polymer Systems	Rubio, Ramon G.
		Co-author: Luengo, Gustavo	
2:20-3:00	1000	Surfactants as Hard-Surface Antimicrobials	Falk, Nancy
3:00-3:30	Refreshment Break - Oklahoma Memorial Union, Third floor, MSB Ballroom		
3:30-4:10	2522	Application of HLD Concept for Surfactant Selection in Industrial Applications	Nguyen, Thu
4:10-4:50	2706	Cold Water Detergency of Vegetable Oils and Fats: Challenges and Progress	Sabatini, David

	FRIDAY	
8:45-9:00	Housekeeping - Oklahoma Memorial Union, Third floor, MSB Ballroom	

	Plenary Oklahoma Memorial Union, Third floor, MSB Ballroom Moderator: Jeffrey Harwell		
9:00-10:00	2662	Extended Surfactants: Origin, Distinctive Features, and Attractive Performances for Potential Applications Co-authors: Forgia, Ana M.; Marquez, Ronald	Salager, Jean-Louis

10:00-10:30	Coffee Break - Oklahoma Memorial Union, Third floor, MSB Ballroom	
-------------	--	--

	Session 9A: Adsorption of Surfactants in Subsurface Applications Oklahoma Memorial Union, Third Floor, MSB Ballroom Chair: Carlos Rodriguez		
10:30-11:10	2477	Enhanced Oil Recovery in Shale Reservoirs and Technical Challenges	Nguyen, Duy
11:10-11:30	2525	Towards Understanding the Behavior of Technologically-Relevant Polyelectrolyte-Surfactant Mixtures at Interfaces	Rubio, Ramon G.
		Co-authors: Fernández-Peña, Laura; Llamas, Sara; Akanno, Andrew; Guzman, Eduardo; Csaky, Aurelio; Campbell, Richard; Ortega, Francisco	
11:30-11:50	2526	Effect of Surfactant Parameters on Surfactant – Rock Adsorption	Wilson, Dan
		Co-authors: Poindexter, Laurie; Nguyen, Thu	
11:50-12:10	2604	Reduction of Surfactant Adsorption Using Hydrotropes	Yuan, Na
		Co-authors: Wang, Shuoshi; Chen, Changlong; Shiau, Bor-Jier (Ben); Harwell, Jeffrey H.	

12:10-12:20	Concluding Remarks - Oklahoma Memorial Union, Third floor, MSB Ballroom	
-------------	--	--

12:20	End (Boxed lunches will be served to take) - Oklahoma Memorial Union, 3rd Floor, MSB Ballroom	
-------	--	--