



19TH INTERNATIONAL  
MICROSCOPY CONGRESS

**IMC19**

Sydney 9-14 September 2018  
International Convention Centre

BRIDGING THE SCIENCES

## Join Us in Australia for the 19<sup>th</sup> International Microscopy Congress

**Nicola Thomas, Logistics and Marketing Coordinator for IMC19, on behalf of the Local Organizing Committee**

Arinex Pty Ltd., 10/51 Druitt St, Sydney NSW 2000

imc19@arinex.com.au

The Australian Microscopy and Microanalysis Society encourages you to join us at the 19th International Microscopy Congress (IMC19) to be held 9–14 September 2018 at the International Convention Centre (ICC) in Sydney, Australia. Set against the impressive downtown Sydney skyline, the ICC is Australia's finest and largest convention and exhibition venue featuring fully integrated world-class technology. The Congress theme, "Microscopy: Bridging the Sciences," will bring together more than 2,000 researchers, as well as decision makers, national microscopy societies, industry partners, and stakeholders involved in microscopy from all over the world.

World-renowned plenary speakers, Dr. Misty Jenkins of the Walter and Eliza Hall Institute of Medical Research, Prof. Dan Shechtman of the Technion, Assoc. Prof. Jennifer Dionne of Stanford University, and Prof. Zhiwei Shan of Xi'an Jiaotong University will bring a wealth of microscopy knowledge as they represent Australia, Israel, United States, and China, respectively.

Dr. Misty Jenkins is a NHMRC RD Wright fellow and laboratory head in the Immunology Division at the Walter and Eliza Hall Institute for Medical Research, where she researches cellular immunology and cancer immunotherapy. Distinguished Professor Dan Shechtman, of the Technion-Israel Institute of Technology, won the Nobel Prize in Chemistry in 2011. His current research efforts include developing strong and ductile magnesium alloys for a variety of applications. He is an honorary member of professional societies around the globe and was awarded many prizes including the Wolf Prize in Physics, the Gregori Aminoff Prize of the Royal Swedish Academy of Sciences, and the EMRS Award. Jennifer Dionne is an associate professor of Materials Science and Engineering at Stanford University. Associate Professor Dionne's research develops new optical materials and microscopies to observe, with nanoscale resolution, chemical and biological processes as they unfold. She then uses these observations to help improve energy-relevant processes (such as photocatalysis and energy storage), medical diagnostics, and therapeutics. Professor Zhiwei Shan is currently the Dean of School of Materials Science and Engineering at Xi'an Jiaotong University (XJTU). His main research interests include the size effect on mechanical behavior of materials, hydrogen embrittlement, and magnesium-based advanced materials.



Dr. Misty Jenkins, Prof. Dan Shechtman, Assoc. Prof. Jennifer Dionne, and Prof. Zhiwei Shan.

The 19th International Microscopy Congress program

ENHANCE YOUR IMAGE



SAMPLE PREP SOLUTIONS

SEM HOLDERS

VACUUM STORAGE SOLUTIONS

LAB CONSULTATION

EM CONSUMABLES

FIB-SEM CONSUMABLES

RAVE SCIENTIFIC



8 Heller Park Lane  
Somerset, NJ 08873

[www.ravescientific.com](http://www.ravescientific.com)

will showcase exciting new developments in microscopy and demonstrate the transformational role of microscopy in underpinning a range of physical and life sciences. Encompassing four main streams—Life Sciences, Physical Sciences, Instrumentation and Techniques, and Frontier Issues—outcomes from IMC19 will send ripples across the microscopy community worldwide for many years. The Congress is your chance to meet and interact with the world's most inspiring and prominent invited speakers who will present on various symposia topics including *Structure and Function of Cells and Organelles*; *Metals and Alloys*; *Data Management (Storage, Processing and Sharing)*; and *In-situ, Environmental, and Time-Resolved Microscopies*. Over 1,500 contributing authors will present their research and findings through a range of informational platforms, including digital posters and oral presentations.

Our Scientific Program Committees have embraced emerging trends in Congress design, and we are pleased to introduce digital posters to the Congress to showcase scientific research, in addition to traditional hard-copy posters. Digital posters will be accessible via the Congress app, providing a new level of networking and communication opportunities for our authors and delegates.

A highlight of IMC19, The IFSM Symposium, will take place on Friday September 14th and will include the presentation of IFSM Medal Awards for 2018, as well as special plenary lectures by the awardees. Prof. Joachim Frank, Nobel Prize winner and joint-winner of the Eduard Kellenberger Medal, will be presenting at the IFSM Symposium—an opportunity not to be missed. Prof. Frank is regarded as a co-founder of single-particle cryo-electron microscopy (cryo-EM), for which he shared the Nobel Prize in Chemistry in 2017 with Jacques Dubochet and Richard Henderson. He also made significant contributions to the structure and function of the ribosome from bacteria and eukaryotes. Prof. Frank will be joined by fellow IFSM Medal awardees who will each present an IFSM Medal Award Plenary Lecture.



IFSM Symposium speaker  
Prof. Joachim Frank.

Previously known as the IFSM School, the IFSM Young Scientists Assembly (IFSM YSA) is a one-day program exclusive to IFSM Young Scientists. The IFSM YSA will provide 50 young scientists with the valuable opportunity to network with frontline practice leaders in an intimate and streamlined environment. Attendees will have the opportunity to meet Nobel Laureates Joachim Frank and Dan Schechtman in a thought-provoking panel discussion embracing career planning and development. This session also affords the opportunity to network with fellow emerging leaders.

Pre-Congress workshops offer delegates the opportunity to make the most of their time at IMC19 by extending their knowledge in areas such as correlative microscopy, atom probe microscopy, data visualisation and analysis, and sample preparation. The workshops will be held offsite at local universities and will provide these universities an opportunity to showcase their facilities and resources.

If the program didn't already have you hooked, then the exhibition absolutely will. The IMC19 exhibition is predicted to be the biggest microscopy exhibition of its kind, showcasing the latest generation of microscopy technology from over 65 exhibitors. With over 1,000 square meters of space, the exhibition will be highly interactive with catering stations, digital and hard copy posters, mini oral theatrettes, a dedicated meeting room . . . and did we mention coffee carts? This exhibition will be the nucleus of IMC19, showcasing several first-time features for the Congress. We look forward to sharing this truly engaging experience with you.

Qantas is delighted to be the major airline sponsor for the 19th International Microscopy Congress. Qantas, in conjunction with partner airlines, is offering registered delegates and travel partners special discounted airfares, which are easily booked via the IMC19 website. Qantas is Australia's largest domestic and international airline and is widely regarded as the world's leading long-distance airline. With a reputation for excellence in safety, operational reliability, and world-class customer service; Qantas offers a global network for delegates traveling to Sydney for the 19th International Microscopy Congress.

Kick off your week with our Welcome Reception. Join delegates, sponsors, and colleagues to celebrate the 19th International Microscopy Congress. Enjoy an evening of light refreshments and beverages, with opportunities to network, interact with authors, and browse the exhibition. Then join us for the Congress Gala Dinner at the beautiful Doltone House, Darling Island. Doltone House, Darling Island is a spectacular waterfront venue on the foreshore of Sydney Harbour with views of the iconic Sydney Harbour Bridge and the city skyline. Enjoy an evening of fellowship and entertainment, whilst enjoying a sumptuous three-course meal and fine Australian beverages.

Sydney is the gateway to a myriad of unique Australian experiences. While you're here why not take advantage of the various tours available with special discounted rates? You can climb the iconic Sydney Harbour Bridge with BridgeClimb Sydney, cruise Sydney Harbour with Captain Cook, or visit the famous Blue Mountains with Gray Line Sydney. We look forward to welcoming you, your family, friends, and colleagues to Australia for this once-in-a-lifetime experience.

For more information, please visit the Congress website at [www.imc19.com](http://www.imc19.com).



Sydney Opera House and Sydney Harbour Bridge at night.

Visit Us at M&M Booth #1007

Fungus Gnats - Dr. Peter H. Kerr  
Plant Pest Diagnostics Branch, California Department of Food & Agriculture

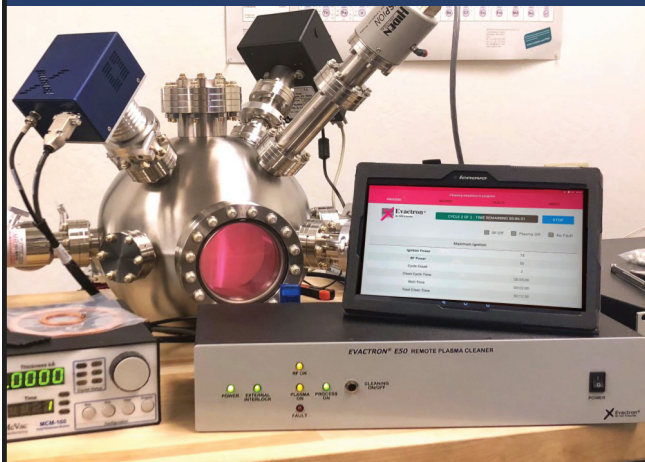
Solderfan, Ryan Linderman, ETM, Switzerland

**Advanced  
Multi Application  
Programmable CPD**



**tousimis**  
**Autosamdri®-931**

# We Study Plasma Physics So You Can Just Do Cleaning\*



Evactron® plasma cleaning is pushbutton-simple, no experimentation needed. Dual action *turbo plasma cleaning™* removes adventitious hydrocarbons with:

- ❖ Plasma etch plus UV active desorption
- ❖ Hollow cathode plasma radical source
- ❖ No sputter etch damage or debris
- ❖ A compact and efficient plasma source
- ❖ Cleaning in minutes for days of perfect imaging and analysis

**Need clean chamber surfaces?  
Let us show you the  
“fastest way to pristine”™!**

**WWW.EVACTRON.COM 1-650-369-0133**



**\*Visit us at  
M&M booth  
#1006 for details.**