- to take decisions about the holding of scientific meetings as proposed by the division committees
- to take all other steps necessary for the good conduct of the affairs of the Union

See the Bylaws for more details: https://iupac.org/who-we-are/ organizational-guidelines/

https://iupac.org/2019-election-iupac-officers-bureau-members-call-nominations/

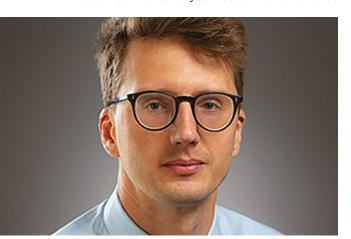
## Juris Meija Made the Top 40 Under 40

n 16 Oct 2018, *The Analytical Scientist* released their Top 40 Under 40 Power List celebrating the gifted young scientists making waves in analytical science. Among them is Juris Meija, the current Chair of the IUPAC Commission on Isotopic Abundances and Atomic Weights (CIAAW).

In his own words, Dr. Meija claimed that his greatest achievement has been his election as Chair of the Commission at age 33 and being part of the team to draft the new definition of the mole. As part of his research as an Officer in Metrology at National Research Council Canada, Ottawa, he explores the reliability of analytical data with a focus on isotope-based methods of quantitation. As Meija stated "it is all about the attention to detail in chemical measurements."

His prediction: We live in the era of big data, which often favors quantity over quality. This has undesirable effects on the reliability of chemical testing results. I believe that metrology will guide us away from the reproducibility crisis in analytical chemistry.

His advice: Nurture your social skills and be



Juris Meija, Research Officer, Metrology, National Research Council Canada, Ottawa, Canada.

someone others will want to work with.

All rising stars were nominated by *The Analytical Scientist* readers and shortlisted by an independent judging panel.

https://theanalyticalscientist.com/power-list/2018/

## C. Oliver Kappe is Awarded the 2018 IUPAC-ThalesNano Prize for Flow Chemistry

■he 2018 IUPAC-ThalesNano prize has been awarded to Professor C. Oliver Kappe. The prize will be presented at the 15th International Conference Microreaction Technology (IMRET15) Karlsruhe on 21 October 2018. The award address will



C. Oliver Kappe

be delivered at the Flow Chemistry Europe Conference in Cambridge, UK on 26 February 2019. The prize consists of an award of 10 000 USD.

Professor Kappe is Professor of Chemistry at the University of Graz (Austria) and Scientific Director for Continuous Flow Synthesis and Processing (CC Flow) at the Research Center Pharmaceutical Engineering GmbH (RCPE). Professor Kappe has over 400 publications in the areas of continuous flow chemistry, application of microreactors, process intensification, and microwave-assisted reactions. He and his team have published syntheses with challenging systems and chemistry. He has served as an Ambassador for Flow Chemistry through his teaching, interdisciplinary work, and collaborations.

Professor Kappe holds a PhD in Organic Chemistry from the University of Graz. He completed postdoctoral research at the University of Queensland (Australia) and Emory University (United States). He has served as visiting scientist/professor at the Scripps Institute, Tokyo Institute of Technology, Sanford-Burnham Institute for Medical Research, and the Federal University of Rio de Janeiro. He is the founding editor and Editor-in-Chief of the *Journal of Flow Chemistry*.

Previous Awardees: Professor Volker Hessel (TU/e – Eindhoven University of Technology) received the award in 2016, for his outstanding contributions to the methodology of organic syntheses, including homogeneous catalysis, photochemistry, plasma catalysis, and multiphase flow, setting new standards for flow chemistry.

The recipient of the 2014 Prize was Professor Steven V. Ley (University of Cambridge, UK) for his outstanding contribution and creative work in methodologies for organic synthesis, especially in multi-step synthesis in continuous flow chemistry reactor systems.

In 2012 the first IUPAC-ThalesNano Prize in Flow Chemistry was awarded to Professor Klavs F. Jensen (MIT, USA) for his outstanding contribution to the field of flow chemistry both in academia and industry. He is considered one of the pioneers of flow chemistry.

https://iupac.org/c-oliver-kappe-is-awarded-the-2018-iupac-thalesnano-prize-for-flow-chemistry/

## OPCW to Further Enhance Contributions to United Nations' Sustainable Development Goals

uring the 3rd edition of the OPCW Forum on the Peaceful Uses of Chemistry, held at the OPCW Headquarters in The Hague on 23 October, Professor Pietro Tundo, Chair of IUPAC's Interdivisional Committee on Green Chemistry for Sustainable Development, provided insights into the approaches of supporting sustainable development through peaceful uses of chemistry. With that Forum, and in a bid to strengthen international security through development, the Member States of the Organisation for the Prohibition of Chemical Weapons (OPCW) identified activities to help achieve the United Nation's (UN) Sustainable Development Goals (SDGs).

The Forum convened over 30 professionals including chemists, chemical engineers, academics, as well as government and industry officials from the following OPCW Member States: Algeria, Argentina, Azerbaijan, Belgium, Belize, Bhutan, Burkina Faso, China, Colombia, Ecuador, Germany, Indonesia, Italy, Kenya, Malaysia, Morocco, Myanmar, Pakistan, Panama, the Philippines, Poland, Sao Tome and Principe, Saudi Arabia, South Africa, Sri Lanka, Sudan, Switzerland, and the United States of America. The attendees participated in panel discussions on a range of topics including: an overview of the SDGs; peaceful application of chemistry; chemical safety, security and

sustainability; gender mainstreaming; and building institutional synergies to promote international cooperation on SDGs.

https://iupac.org/opcw-to-further-enhance-contributions-to-united-nations-sustainable-development-goals/

1001 Inventions: Journeys from Alchemy to Chemistry

N E S C O and 1001 Inventions will launch a new educational initiative celebrating the 8th century polymath Jabir ibn Hayyan as



part of the 2019 International Year of the Periodic Table of Chemical Elements. The new multimedia initiative, titled "1001 Inventions: Journeys from Alchemy to Chemistry", focuses on contributions to the foundations of modern chemistry by ancient cultures and civilizations, in particular the remarkable work of the pioneering polymath Jabir ibn Hayyan, also known as Geber, in the 8th century.

Jabir ibn Hayyan spent most of his life in Kufa, Iraq, where he devised and perfected sublimation, liquefaction, crystallization, distillation, purification, amalgamation, oxidation, evaporation, and filtration. He developed precise measuring equipment, and discovered sulfuric, nitric, and nitromuriatic acids, all now vitally important in the chemical industry. His research and publications, including the *Great Book of Chemical Properties, The Weights and Measures, The Chemical Combination*, and *The Dyes*, opened the way for modern chemistry and guided scientists during the following centuries.

Through a series of international events, combining experiments, live shows, digital content, and teaching resources, this new initiative will promote basic sciences education to all, including youth, teachers and families to inspire inquisitiveness and curiosity. It will be launched during the opening ceremony of the International Year of the Periodic Table of Chemical Elements on 29 January 2019 at UNESCO Headquarters in Paris, France.

"The International Year of Periodic Table of Chemical Elements is a great opportunity to reflect upon many aspects of the periodic table, including its evolution, the role of women in research, global trends and perspectives on basic science for sustainable societies" explained Martiale