



ACS

Chemistry for Life®

OCACS Elements

The Orange County Local Section wants to hear from you. If you would like more information about our section or how you or your company can contribute to our Section's efforts, please visit our website or contact us at OCACSChair@gmail.com.

[Visit our Website](#)

Dr. Keith Maruya will be our October Dinner Meeting speaker on October 26. This presentation will be our monthly dinner meeting and our Environmental Committee meeting. His talk entitled "Modernizing Water Quality Monitoring of Environmental Contaminants" will be given after dinner, which starts at 6:00 PM.

Concern over ecological and human health impacts linked to exceedingly low levels of known and unknown environmental contaminants has necessitated a shift from our traditional chemical-specific risk assessment paradigm. In collaboration with topical experts, we have developed a monitoring strategy that screens for a broader suite of environmental chemicals and better identifies those found to be problematic. This approach complements chemical-specific (or targeted) monitoring by incorporating bioanalytical screening tools to inform and narrow the list of potential bioactive chemicals present. Non-targeted mass spectrometry is then applied to identify problematic compounds that elude targeted methods. With support from the State Water Board, these tools are being test driven for monitoring of receiving waters across California, with promising results to date. Future work will focus on expanding and validating the bioanalytical screening toolbox, standardizing non-targeted analytical methods and databases, and establishing quantitative linkages between bioanalytical screening responses and whole organism effects. In addition, modernization is being extended to other water resources statewide, including recycled water applications.



Keith is the Principal Scientist for the Chemistry Department at SCCWRP, a public agency founded in 1969 that focuses on water quality research. Dr. Maruya earned degrees in Chemical and Environmental Engineering from the Univ. of Southern California and UC Berkeley. His expertise is in the measurement, fate and effects of organic chemicals in aquatic systems, with his recent work focused on monitoring of emerging contaminants in ambient and recycled water. A native of the Los Angeles area, Keith spent 10 years as a

research faculty member at the Skidaway Institute of Oceanography in Savannah, GA, before coming to SCCWRP in 2005.

Please contact us as soon as possible to make a reservation to attend this presentation, but no later than noon on Tuesday, October 24, 2017 at ocacs@sbcglobal.net.



Local Section Elections

You should have received an E-mail this week from Electionbuddy Elections with a secure link to vote in our 2017 Local Section elections. Please vote as soon as possible and before November 11.

If you did not receive an E-mail, please check to ensure your ACS E-mail address is up to date or check your spam folder. If you need a ballot, please contact us at OCACSLocalSection@gmail.com for more information.



Don't miss our upcoming events and meetings and for more information, please visit our [website](#).

October 26: OCACS Dinner Meeting & Environmental Committee Meeting (Joint)

Environmental Committee

The OCACS Environmental Committee Bimonthly Group meeting is being held jointly this month with the Local Section, as

part of our monthly dinner meeting program.

Please [RSVP](#) by October 24, if you want to attend. Watch this space for future meeting dates.

If you want information about our Environmental Committee, please contact:

[Dr. Ganesh Rajagopalan](#),
Kennedy/Jenks Consultants
[Dr. Keisuke Ikehata](#), Pacific
Advanced Civil Engineering
(PACE)



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Get Involved & Support OCACS

If you want to network with over 1300 chemists in Orange County, host a technical tour, speak at one of our dinner meetings or science cafes, explore leadership opportunities, or advertise with our Section, please visit our [website](#) or E-mail us at OCACSLocalSection@gmail.com and OCACSCChair@gmail.com.

We would love to hear from you!

OCACS Executive Committee

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