

**Required Banquet Reservation Enclosed  
(Please email/phone ahead or use website – See form)**



Newsletter of the  
Northeast  
Georgia  
Section of the  
American  
Chemical Society



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Chemistry for Life®

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**ANNUAL BANQUET INVITATION**

Friday, January 27, 2017

Athens Country Club  
2700 Jefferson Road, Athens, GA

**Jason Locklin**

Department of Chemistry and College of Engineering  
University of Georgia

**“The Future of Plastics and the New Materials Institute at the University of  
Georgia”**

Social Hour: 6:00 PM—Cash Bar

Dinner: 6:45 PM

Talk: 8:00 PM

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## Talk Synopsis

Plastic has been found everywhere we have looked on this planet: the open ocean, sea ice, biota, sediments, and the sea floor. Ninety percent of all bird species will have ingested plastic by 2020, and plastic has been found in our seafood and other marine life. Global plastic production reached 299 million metric tons (MMT) in 2014. Of this amount, 40% of the plastic produced is used in packaging, a single-use material that is immediately discarded. At end-of-life, the majority of plastic in high-income countries is landfilled, with the rest recycled or used for energy recovery (~ 9% in the USA to 26% in Europe). Global waste management practices are less understood, but around 32 MMT of plastic waste is classified as “mismanaged,” meaning that the waste is either littered or is not otherwise handled in an organized system. Of this mismanaged plastic waste, *an estimated 5 to 12 MMTs reached our oceans in 2010*. With increasing population, increasing plastic consumption, increasing waste generation, and no change in waste management practices, *this number will double by 2025, with a predicted cumulative input of up to 250 MMTs into our oceans*. In this talk, Dr. Locklin will introduce the New Materials Institute at the University of Georgia, whose overarching research focus is to develop innovative materials and adaptive systems based on green engineering principles that will mitigate the accumulation of non-biodegradable plastics in the environment.

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## Speaker's Biographical Sketch

Jason Locklin obtained his BS from Millsaps College in 1999. He graduated with his MS from UAB in Chemistry in 2002 and PhD from the University of Houston in 2004 under the guidance of Rigoberto Advincula. Jason then went on as a Director of Central Intelligence Postdoctoral Scholar at Stanford University in 2005 with Zhenan Bao in the Department of Chemical Engineering. In 2007, Locklin joined the University of Georgia in the Department of Chemistry and the College of Engineering and was promoted to Associate Professor in 2012. He founded the New Materials Institute in 2016.

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## Outreach Opportunities

There are several outreach opportunities available to local section members as described below:

**Friday, Jan. 27, 2017**—Judges needed for Northeast Georgia Regional Science & Engineering Fair, Oconee Civic Center, Watkinsville. Please contact Jolaine Whitehead, NEGA RSEF Director, via e-mail at [jolaine.whitehead@negaresa.org](mailto:jolaine.whitehead@negaresa.org). Maurice Snook will be presenting his Chemistry Show at 3 PM for attendees between judging and presentation of awards. The Northeast Georgia Section sponsors 6 awards at the fair; 3 for best projects relating to chemistry and 3 for best projects relating to biochemistry.

**Friday, March 31, 2017**—Judges need for the Georgia Science & Engineering Fair, The Classic Center, 300 N Thomas Street, downtown Athens, GA. Visit their website at [gsef@georgiacenter.uga.edu](http://gsef@georgiacenter.uga.edu) and click on judges forms.

Want to help elementary students make “Slime”? Help needed for the following elementary school’s Science Nights:

Saturday, Feb. 11, 2017. Clarke County Young Scientist Day, Alps Rd. Elementary School; 9 AM-Noon.

Tuesday, Feb. 21, 2017. Whit Davis Elementary School Science Night; 6 PM.

Thursday, Feb. 23, 2017. Malcolm Bridge Elementary School Science Night; 6 PM.

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## Banquet Reservation

Members can copy this page to a new document and e-mail it to the person listed below or click on this link to place your banquet reservation through the Section's website.

Weblink: <http://negeorgia.sites.acs.org/banquetreservations.htm>

Deadline for RSVP is Monday January 23, 2017 either by weblink, e-mail/conventional mail or phone to:

Mike Terry ([miketerry46@hotmail.com](mailto:miketerry46@hotmail.com); 706-353-0193) 154 Elderberry Circle,  
Athens, GA 30605

Checks may be sent in advance (payable to NEGS ACS) or pay at the door. Please RSVP either way. Note: Reservations resulting in cancellations after deadline and/or 'No Shows' ensue Section being charged.

\_\_\_\_\_ Yes, I plan to attend the banquet with guest(s) (\$20 for each person)

Names \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ Yes, I plan to attend the banquet by myself (\$20 )

Name \_\_\_\_\_

\_\_\_\_\_ Yes, I/we plan to attend the banquet with guest(s) and am/are graduate student(s)  
(\$10 for each person)

Names \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Menu

Hors d'oeuvres

Herb Roasted Chicken With Mushrooms in a White Wine Sauce

Niman Ranch Roasted Pork Shoulder Braised With Root Vegetables, Red Wine and Plum  
House salad with Aegean Dressing  
Tomatoes Served With Red Mule Grits  
Chef's Choice Seasonal Vegetables  
Chef's Choice Starch  
Assorted Home Made Desserts

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## NORTHEAST GEORGIA LOCAL SECTION OFFICERS

SECTION WEBSITE: [negeorgia.sites.acs.org](http://negeorgia.sites.acs.org)

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