February CNC-ACS Meeting:

Dr. Lucian Lucia  
North Carolina State University

"A Facile Approach for the Synthesis of Xylan-Derived Hydrogels"

February Meeting
When:
Wednesday February 29, 2012
Where:
Lorillard’s A.W. Spears Research Center
420 N. English Street, Greensboro, NC
Time:
Social - 6:30 pm
Talk - 7:00 pm
Directions:
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CNC-ACS Officers
Dr. Ed Robinson  Chair  erobinson@lortobco.com
Mr. Clifton Bell  Chair-Elect  bellce@wssu.edu
Ms. Janice Foushee  Secretary-Treasurer  jfoushee@ashland.com

CNC-ACS Website  http://www.cnc-acs.sites.acs.org/
# 2012 Executive Committee

<table>
<thead>
<tr>
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<th>E-mail</th>
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</tr>
</thead>
<tbody>
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## 2012 Committee Chairs

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- **By-Laws & Job Manual**: Yulia Basova
  
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- **ChemSense**: Janis McDonald, Jerry Walsh, Jerry Walsh
  
  mcdonald@gesnc.com, jwalsh@uncg.edu, jwalsh@uncg.edu

- **Nat'l Chemistry Olympiad**: Gladys S. Van Pelt
  
  williamnells@bellsouth.net

- **Science Center Advisor**: Bill Bell
  
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- **UNCG H. S. Lab Day**: Pat Duffy
  
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- **Environmental Affairs**: Dave MacMinn
  
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- **Earth Day**: Edward Robinson
  
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- **Long Range Planning**: Nancy Liu
  
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- **National Chemistry Week**: Tim Ballard
  
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- **Poster Vendor Night Coordinator**: Dave MacMinn
  
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- **Project SEED**: John Merle
  
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- **Professional Relations**: Liliana Garcia
  
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- **Public Relations & Publicity**: Paul Weller
  
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- **Public Affairs (Reg, Legis)**: Rynne Ambrose
  
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- **Student Member Coordinator**: Merlejo@wwsu.edu

- **Web Page**: Gail Webster
  
  gwebster@guilford.edu
Lucian A. Lucia is an Associate Professor in the Department of Forest Biomaterials at North Carolina State University who has studied a wide variety of fundamental chemistry and material engineering questions surrounding renewables (principally wood)-based polymers. He received a Ph.D. in organic chemistry from the University of Florida in 1996 on work studying the fundamental electron/energy transfer pathways associated with photosynthesis.

He began his professional career as an Assistant Professor at the Institute of Paper Science and Technology at the Georgia Institute of Technology examining singlet oxygen’s basic interaction with lignin and cellulose as one part of a broad array of wood pulp oxidation studies. His current work is in biomaterials chemistry with a focus on deriving new smart materials from lignocellulosics and related biopolymers. He has co-founded and co-edits an open-access international research journal, BioResources, which is dedicated to original research articles, reviews, and editorials on advanced applications of lignocellulosics. He has co-edited a special issue of Cellulose (December 2007) on biopolymer nanotechnology and is co-editing two books in this area (The Nanoscience and Technology of Renewable Biomaterials and Polysaccharide-based Biomaterials), and is the lead author of a review article covering cellulose nanocrystals.
CALL FOR PAPERS – WOOD Coatings & Substrates 2012

The Piedmont Society for Coatings Technology, University of North Carolina at Greensboro, and The Wood Coatings Research Group is pleased to issue a call for papers for the 5th biennial Wood Coatings & Substrates conference to be held on the campus of the University of North Carolina at Greensboro, Greensboro, North Carolina, September 20 and 21, 2012.

Conference purpose and objective

The purpose of the Wood Coatings Technology Conference would be to provide a coatings technology conference that speaks to the basic chemistry, science, and technology behind the development, performance, and application of coatings, particularly wood coatings. It is our goal to present basic theory and science information that will

- Improve understanding of the science as related to coatings for the coatings chemist and technologist
- Help further advance the science of coatings
- Provide a forum for discussion of new technologies and developments

The conference should also help those unfamiliar with the coatings industry see the potential merits and opportunities of choosing a career in a materials science field such as coatings and related areas.

Abstracts are being accepted pertaining to chemistry, application, and technology related to wood and wood coatings, environmental regulations, and substrates. Focus areas include but are not limited to:

- Wood Substrates
- UV Curable technology
- Green chemistry
- Crosslinking methodologies
- Film Formation
- Physical properties, fracture mechanics, failure analysis
- Nanotechnology
- Flattening/matting
- Colorants
- Additives

Please address questions and/or provide abstracts for consideration by March 15, 2012 to:

Ronald Obie
Wood Coatings Research Group, Inc.

r.obie@woodcoatingsresearchgroup.com
wcrgs@aol.com
SciTech Lecture Series Presents:

SciTech IDEAS IN ACTION

FEATURING

STEVEN B. MIZEL, PH.D
Professor, Department of Microbiology and Immunology,
Wake Forest University School of Medicine

AND

BRUCE KAYLOS
Program Manager, NCBIO Biotech Manufacturers Forum

speaking on:

“Vaccines: Why and How”

4:00 PM THURSDAY, FEBRUARY 23, 2012
ARDMORE AUDITORIUM
FORSYTH TECH MAIN CAMPUS
2100 SILAS CREEK PARKWAY
WINSTON-SALEM NC 27103

To reserve a seat at this event, contact Mona Cofer at 336.734.7205 or mcofer@forsythtech.edu.
All lectures are free and open to the public.
To All Female ACS members attending the upcoming National ACS meeting in San Diego (25-29 March 2012). Professor Jennifer Kelley at Francis Marion University in Florence SC has a female student who will attend the National meeting but needs to share hotel expenses with another female. She will be presenting a research poster in the undergrad program and accepting an outstanding award for their local section student chapter for last year's activities (she is the president). If you are attending the 243rd Spring National ACS meeting in March and wish to share hotel expenses, please contact Dr. Jennifer Kelley (information below).

Dr. Jennifer Kelley Office: (843)-661-1492 JKelley@fmarion.edu

*Spring 2012 National Meeting & Exposition*  San Diego, California  March 25 – 29

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Join us for

Triad BioNight 2012

An evening of Spirit, Awards and Recognition
Thursday, March 8, 2012 at 6 p.m.
Sheraton Greensboro Hotel at Four Seasons

Keynote speaker: Robert (Bob) A. Ingram, General Partner of Hatteras Venture Partners

Registration is now open for Triad BioNight 2012, a gala event honoring leaders in our region’s biotechnology community. This event attracts several hundred leaders from academia, industry, and government across the state and features awards to celebrate biotechnology leadership.

Register today!

Nominations for the Piedmont Triad Biotechnology Excellence Awards to be presented at this event are currently being accepted through February 9, 2012.

Thank you to our hosts: Advisory Committee for Biotechnology in the Piedmont Triad, Greensboro Partnership, Piedmont Triad office of the North Carolina Biotechnology Center, Triad BioNight Events Project team, and Winston Salem Chamber of Commerce.

Please visit the event webpage for more information.

Regards,

Judy Berry
Regional Coordinator, Piedmont Triad Office, North Carolina Biotechnology Center
391 Technology Way, Suite 198, Winston-Salem, NC 27101 • 336-725-6672 • www.ncbiotech.org
PVN @ Syngenta

12th Annual Poster Vendor Night

GREAT FOOD

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STUDENT POSTER AWARDS $$$

TRADE SHOW

NETWORKING

When: Tuesday, April 3, 2012 - 3:00p-7:00p
Where: Syngenta Crop Protection, LLC - Auditorium, Greensboro, NC
What: Industrial and Academic Posters, Vendors, Latest Products

Please contact Hien Nguyen (hien.d.nguyen@syngenta.com, 336-632-5899) or Jill Tierney (tierney.j@bellsouth.net, 336-430-8601) for more info. (Additional info available at: http://cnc-acs.sites.acs.org)
The Phi Beta Kappa Society invites you to a presentation

A Lively Tour of the Periodic Table

John E. Straub
Professor of Chemistry at Boston University
Phi Beta Kappa Visiting Scholar

Thursday, February 16, 2012 at 7:30 pm
Room 101, Sullivan Science Building Auditorium
The University of North Carolina at Greensboro

John Straub joined the department of chemistry at Boston University in 1990 and is currently professor and chair. He is a recipient of the university’s Gitner and Metcalf Awards, both for excellence in teaching. His research focuses on the development and use of mathematical and computational models to uncover the principles governing the fundamental processes of energy transfer, signaling, folding, misfolding, and aggregation that underlie protein function. He also is actively involved in innovative science outreach at the elementary, middle and high school levels. Coeditor of the book Proteins: Energy, Heat and Signal Flow, he is an associate editor of Journal of Chemical Physics.

This lecture explores the diverse properties of the chemical elements through the use of historical accounts and demonstrations of chemical reactions.

Sponsored by:
The Phi Beta Kappa Society, the UNCG Department of Chemistry and Biochemistry, and the UNCG College of Arts and Sciences
The Triad Analytical Discussion Group will be having its first meeting in late March. The Joint School of Nanoscience and Nanoengineering has graciously offered to host the meeting. Our speaker will be giving us a talk on some of the state-of-the-art instrumentation available at the JSNN. Lorillard has generously provided funding for the discussion group’s 2012 activities. Look for more information in the March newsletter.

**UPCOMING EVENTS**

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<td>March Meeting</td>
<td>March 22</td>
<td>Elon</td>
<td>Ernie Hood: Challenges in Communicating Science</td>
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