



# ESA Newsletter

Electrostatics Society of America - The Friendly Society

## President's Message

I am excited that our Electrostatics Society of America Annual Meeting will be held June 12-15, 2007 on the campus of Purdue University, West Lafayette, Indiana. Prof. Raji Sundararajan has done a great job making the arrangements for our conference. Prof. Sheryl Barringer has put together a strong technical program. I'm looking forward to listening to interesting presentations about some great work.

One of the highlights of our meeting this year is the election of ESA officers. Our current elected officers, whose terms end on June 30, 2007, are:

President:	Dr. Kelly Robinson, Electrostatic Answers LLC
Vice-President:	Prof. Sheryl Barringer, Ohio State University
Executive Council:	Prof. John Gagliardi, Rutgers University
Executive Council:	Dr. Steve Cooper, Mystic Tan, Inc
Executive Council:	Prof. Nathaniel (Ned) Greene, Bloomsburg University of Pennsylvania

The following by-laws are given regarding the Executive Council and its election.

### ARTICLE 4.

**EXECUTIVE COUNCIL.** The affairs of the Society shall be managed by an Executive Council of five, elected by the membership, as determined by constitutional amendments prepared by the Interim Executive Council.

- 4a) The Councils succeeding the Interim Council shall have terms of office of two years, beginning on July 1.
- 4b) If extraordinary circumstances prevent the election of a new Council, the existing Council shall continue in office, year by year, until an election can be held.
- 4c) The Council shall be nominated as a full slate, naming the officers and members.
- 4d) Slates may be self-nominated, each being presented by a member of the slate. Also, the Council may nominate a slate.
- 4e) The several slates shall be presented to the Secretary three months before the end of the Council's term. After validation of the nominated slates, the Council shall cause the Secretary to present the slates to the membership two months before term end, with the mail vote deadline to be one month before term end. The slate receiving the largest number of votes shall be declared elected. If two slates are tied in receiving more votes than any other slate, the Council shall act to break the tie.

I regret to announce that I have been unable to form a new slate of officers to present to the membership for election at our 2007 meeting. If others wish to submit a new slate of officers to our secretary, Dr. Steve Cooper, I encourage them to do so as soon as possible (see instructions on p. 3 of this newsletter). In anticipation of the possibility that no new slate is submitted, I have requested that our current officers continue in office for an additional year. I anticipate forming a slate for election at our 2008 Annual Meeting.

Thank-you for helping to make the ESA a strong, vibrant organization. Electrostatic phenomena present challenges and offer opportunities in many different technologies; manipulation of DNA to complex weather systems. One could spend a life-time learning and working in electrostatics. I am proud to have served as ESA President for the past 2 years, and I am excited to continue to work with you to make the Electrostatics Society of America more valuable and more important to you.

*Kelly Robinson,  
ESA President*



# ESA 2007 Registration Form

**June 12-14, 2007**  
**PURDUE UNIVERSITY**  
**WEST LAFAYETTE, INDIANA**

**Mail or Fax Form to:**  
Raji Sundararajan  
ECET – Purdue University  
401 N. Grant St.  
Knob Rm. 187  
W. Lafayette, IN 47907-2021  
Fax: 765-496-1354  
Tel: 765-494-6912

**Note: You also can register online at [www.electrostatics.org](http://www.electrostatics.org)**

Date: \_\_\_\_\_  
 Name: \_\_\_\_\_ Name on Badge: \_\_\_\_\_  
 Affiliation: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

### CONFERENCE REGISTRATION FEES

<b>Full Conference registration fee – ESA Members</b> includes snacks at breaks, Thursday banquet, and conference proceedings	by 5/11/07	\$275	
	after 5/11/07	\$300	
<b>Full Conference registration fee – Non-Members</b> includes all the above and a one year ESA membership	by 5/11/07	\$295	\$
	after 5/11/07	\$320	
<b>Student Registration – requires student ID</b> includes conference proceedings, snacks at breaks and banquet		\$150	
<b>Single Day Registration</b> -- member or non-member includes conference proceedings & snacks at breaks. No banquet included.		\$175	\$
Extra Copies of Conference Proceedings	#	@ \$30	\$
Extra Welcome Reception Ticket	#	@ \$15	\$
Extra banquet tickets	#	@ \$30	\$
		<b>TOTAL</b>	<b>\$</b>

### ACCOMMODATIONS

Union Club, Purdue University (June 12-15 <sup>th</sup> )	<b>Queen Room</b>	<b>\$90.00</b>
	<b>Double &amp; Twin</b>	<b>\$90.00</b>
	<b>Double Doubles</b>	<b>\$98.00</b>
	<b>Deluxe Doubles</b>	<b>\$108.00</b>
	<b>Suites</b>	<b>\$180.00-300.00</b>
	Call: 800-320-6291 or 765-494-8913 Mention "Electrostatics Society of America" for these rates	
University Inn-Conference Center and Suites (June 11-15 <sup>th</sup> ) (hotel w/ restaurant) free shuttle service to campus	<b>\$75.85 per room, per night</b>	
	Call: 800-777-9808 or 765-463-5511	
	Mention "Electrostatics Society of America" for this room rate. Book rooms early to guarantee availability	

### CONFERENCE TOUR

I am interested in the Friday Morning tour of the Purdue University Envision and Discover Park-Birck Nanotechnology and Bindley Biological Sciences Centers (no additional fee)	YES	
	NO	

### PAYMENT

<input type="checkbox"/>	I will pay on-line using Pay-Pal ( <a href="http://www.electrostatics.org">www.electrostatics.org</a> ).
<input type="checkbox"/>	I have enclosed an international money order or check in \$US drawn on a US bank, made out to " <b>Electrostatics Society of America</b> "
<input type="checkbox"/>	I will pay at conference (sorry, no credit cards accepted) Please FAX Registration form to Raji Sundararajan by the registration due date to avail those rates

## Sources and Sinks

### Eggplants and Electrostatics: Is it Time for a New Name?

Mark Horenstein

It's long been recognized that more people would eat eggplant if it had a more appealing name such as "steak-plant" or "sweetplant". Can the same be said for our namesake field of electrostatics? At the recent Electrostatics 2007 conference in Oxford, UK, I had an interesting discussion with Prof. Akira Mizuno, a long-standing participant and prolific researcher from Toyohashi University in Japan. We both lamented the need to explain our field to would be student researchers and to reassure them that it will be every bit as engaging as the work of their student colleagues in other, more "prominent" fields. The bottom line: In this age of DNA sequencing, global sensor networks, the beginnings of matter transport à la Star Trek, and loads of nano-everything (everywhere), does the age-old, time-tested term "electrostatics" still conjure up images of Ben Franklin, kites, and lightning bolts? (See the ESA logo and our web page background, for example.) Do young students have an image of electrostatics as something that their great-grandparents did?

Not sure where I stand on this thought, but I thought I'd issue the following challenge: A prize awaits the individual who can come up with an alternative term for our beloved field that accentuates the modern, very-much-active essence of our discipline. (The prize will be a genuine surprise).

Respond to Mark Horenstein, email: [mnh@bu.edu](mailto:mnh@bu.edu)

## ESA OFFICERS

President	Kelly Robinson, Eastman Kodak
Vice President	Sheryl Barringer, Ohio State Univ
Executive Council	John Gagliardi, Rutgers Univ. Steve Cooper, Mystic Tan Nathaniel Green, U. of Bloomsburg

## Election of ESA Council Members

### ESA Elections Upcoming - New Council Slates Are Sought.

Based on Article 4 of the ESA Constitution, the two-year term of the present ESA Council ends on June 30, 2007 and the new Council term of office begins on July 1, 2007. It is now time for the Secretary (address found on back page of this ESA Newsletter) to receive slates of nominees for the upcoming (7/1/07 - 6/30/09) term.

Since the Council shall be nominated as a full slate, the presenter of that slate is responsible for checking with all the members of that slate to insure each nominee is willing to serve. A slate consists of five members: the President, the Vice-President and three Council Members.

If more than one slate is presented to the Secretary, a ballot will be mailed out about April 30 (or as soon as reasonably possible) with the deadline for receipt of the ballots by the Secretary being May 31, 2007. If only one slate is presented (then as tradition has held) no ballots will be mailed, and the Membership present at the ESA Annual Meeting will be asked to vote on the slate. If no slates are presented, then, as Article 4b states, "If extraordinary circumstances prevent the election of a new Council, the existing Council shall continue in office, year by year, until an election can be held."

## CALENDAR

- ✓ 1<sup>st</sup> Int'l. Electrostatic Discharge Workshop, May 14-17, 2007, Stanford Sierra Conference Center, Lake Tahoe, California, Contact: ESD Assoc., Tel: 315-339-6937, [info@esda.org](mailto:info@esda.org), info at <http://www.esda.org>
- ✓ ESA 2007, June 12-14, 2007, Purdue University, West Lafayette, Indiana, Contact: Prof. Rajeswari Sundararajan, Tel: 765 494-6912, [raji@purdue.edu](mailto:raji@purdue.edu)
- ✓ Electrostatics Science and Technology Workshop, Aug. 16-23, 2007, Tahiti, Contact: Gérard Touchard, Tel: 33 (0)5 49 49 69 32, Fax : 33 (0)5 49 49 69 68 email: [gerard.touchard@lea.univ-poitiers.fr](mailto:gerard.touchard@lea.univ-poitiers.fr)
- ✓ 5th Asian Aerosol Conf., Aug. 26-29, 2007, Kaohsiung, Taiwan, info at <http://www.aac2007.org>
- ✓ 29th Annual EOS/ESD Symp., Sept. 16-21, 2007, Anaheim, California, Contact: ESD Assoc., Tel: 315-

- 339-6937, [info@esda.org](mailto:info@esda.org) or <http://www.esda.org>,
- ✓ Elect. Insul. Conf., Sept. 24-26, 2007, Nashville, Tennessee, Contact: Mr. Art Lemm, Tel: 262-835-3368, Fax: 262-835-1515, [alemm@cooperpower.com](mailto:alemm@cooperpower.com), info at <http://www.deis.nrc.ca/eic2007/eic2007.htm> (abstracts due Feb. 15, 2007)
- ✓ 2007 IEEE Conf. on Elec. Insul. & Diel. Phen., Oct. 14-17, 2007, Vancouver, British Columbia, Canada, info at [ceidp@ieee.org](mailto:ceidp@ieee.org) or <http://www.ewh.ieee.org/soc/deilceidp>
- ✓ 16<sup>th</sup> Int'l. Conf. on Diel. Liquids, June 30-July 4, 2008, Poitiers, France, Contact: H. Romat, Tel: 33-(0)5-49-49-69-31, [icdl2008@lea.univ-poitiers.fr](mailto:icdl2008@lea.univ-poitiers.fr), (abstracts due Oct. 15, 2008)

Electrostatics  
Society of America



30 Shalimar Drive  
Rochester, NY 14618

### ESA Information

ESA Home Page: <http://www.electrostatics.org>

Kelly Robinson  
President  
Electrostatic Answers, LLC  
15 Piping Rock Run  
Fairport, NY 14450  
585-425-8158  
[Kelly.Robinson@ElectrostaticAnswers.com](mailto:Kelly.Robinson@ElectrostaticAnswers.com)

Steve Cooper  
Secretary/Treasurer  
540 Morton Rd.  
Athens, GA 30605  
706-255-5518  
[steve@steve-cooper.com](mailto:steve@steve-cooper.com)

Mark Zaretsky  
Newsletter Editor  
30 Shalimar Drive  
Rochester, NY 14618  
585-588-6351  
[mark.zaretsky@kodak.com](mailto:mark.zaretsky@kodak.com)

ESA Council Member Elections  
see President's Message and follow-up on page 3

2007 ESA Annual Meeting  
June 12-14, 2007  
Purdue University  
West Lafayette, Indiana