

the Beacon

**Plan to Attend
the
Section Elections
and
Annual Social !**

The Monthly Publication of the Maine Section, IEEE www.ieee.org/maine

Maine Section IEEE Annual Elections

Wednesday, October 22, 2003

The following slate of candidates for 2004 Section Officers has been offered by the 2003 Nominating Committee:

Chair: David Kotecki
Vice Chair: Ian Goepfert
Treasurer: Merlin Smith
Secretary: Scott Dunning

The Maine Section will hold elections for its 2004 Section Officers in conjunction with the CS/EDS Chapter meeting being held on Wednesday, October 22, 2003. The elections will take place at about 6:30PM, during the announcements between dinner and the technical program. All Section members are encouraged to attend. Please see the CS/EDS meeting notice on the following page for an abstract of the technical program, dinner cost and registration instructions.

October '03
Volume 12
Number 6

Officers

Chair:
Daniel Martin

Vice Chair:
Dave Kotecki

Treasurer:
Merlin Smith

Secretary:
Ian Goepfert

Chair, Comm. Chapter:
Open

Chair, CS/EDS Chapter:
Steven Leibiger

Chair, PES/IAS Chapter:
David Conroy

Maine Section IEEE Annual Dinner Social and Concert

Saturday, December 13, 2003

On Saturday, December 13, 2003, the Maine IEEE will hold its annual dinner social at Maria's restaurant in Portland. Participants are also invited to attend the Portland Symphony Orchestra's "Magic of Christmas" concert. This year, you may choose the matinee performance prior to the dinner social or the evening performance after dinner. As always, everyone is welcome.

3:00 PM Portland Symphony Orchestra:
Magic of Christmas Matinee

5:30 PM Dinner at Maria's

7:30 PM Portland Symphony Orchestra:
Magic of Christmas Evening show

Join us for the Florentine Buffet dinner and the final Maine Section IEEE meeting for 2003 at Maria's Ristorante. Maria's is located at 337 Cumberland Avenue, Portland. Near the Portland Public Market and easy parking, Maria's is a 10 minute walk to Merrill Auditorium and the Portland Symphony.

Nothing brings back, or creates new holiday memories, like music. From traditional carols to the Hallelujah chorus, the music of Magic of Christmas makes the season joyous. For 22 years, family and friends have come together to celebrate the Magic of Christmas at Merrill Auditorium, making it a beloved part of the season for thousands of people young and old.

Registration: We will purchase a block of 14 matinee (3:00 PM) tickets for those of us who have young children, as well as a block of 14 evening show (7:30 PM) tickets. Since the number of tickets for this popular event is limited, please register early to ensure a seat. Registrations will be accepted until November 14. A person can register online at www.ieee.org/maine or can complete and mail the following form:

Maine Section IEEE Dinner Social 2003 Registration Form

Name: _____

_____ Matinee concert tickets at \$25 each: \$ _____

_____ Adult dinners at \$30 each (taxes and gratuity included): \$ _____

_____ Child (10 and under) dinners at \$15 each: \$ _____

_____ Evening concert tickets at \$25 each: \$ _____

Total: \$ _____

**Mail registration
along with check
(payable to Maine
Section IEEE) to:**

**David Kotecki
55 College Ave.
Orono, ME 04473**

The Maine Chapter Computer/Electron Devices Society
proudly presents:

Computational Modeling of the Mechanical Behavior of Interconnects

Antoinette Maniatty, Ph.D.

RPI

Wednesday, October 22, 2003

National Semiconductor, Moosehead Room

South Portland, Maine

Agenda:

<i>5:30 PM—6:30 PM</i>	<i>Social / Light Dinner</i>
<i>6:30 PM—6:40 PM</i>	<i>IEEE Announcements and Section Elections</i>
<i>6:40 PM—7:25 PM</i>	<i>Lecture / Questions</i>
<i>7:25 PM—8:00 PM</i>	<i>Post Lecture Discussion</i>

Lecture Summary:

While the primary functionality of electronic interconnects relates to their electrical properties, they must also maintain structural integrity in order to function. In this talk, an approach for modeling thin polycrystalline films on substrates, centered at the grain scale and based on these smaller scale phenomena, will be presented. Inhomogeneous stresses and possible subsequent failure mechanisms that arise due to thermal conditions and electromigration are considered. Results from simulations using these models will be presented.

Dinner Cost:

\$10 / person

\$5 / student

**Please assist the chapter in pre registering for this event.
In light or recent world events NSC Security has
requested a list of attendees prior to the day of the event.
Same day registration and walk-ins are still welcome.
To pre-register send email with contact info to either:**

Steve Leibiger (steven.leibiger@fairchildsemi.com)

Steve Adler (Steven.J.Adler@nsc.com)

The Maine Chapter Computer/Electron Devices Society
proudly presents:

**The Physics of
Silicon-Carbide & Other Wide Band-Gap
Semiconductor Power Devices**

Richard Woodin, Ph.D.

Fairchild Semiconductor

Thursday, November 6, 2003

***National Semiconductor, Moosehead Room
South Portland, Maine***

Agenda:

<i>5:30 PM—6:30 PM</i>	<i>Social / Light Dinner</i>
<i>6:30 PM—6:40 PM</i>	<i>IEEE Announcements</i>
<i>6:40 PM—7:25 PM</i>	<i>Lecture / Questions</i>
<i>7:25 PM—8:00 PM</i>	<i>Post Lecture Discussion</i>

Lecture Summary:

Wide band-gap semiconductor devices hold much promise in providing next generation power devices. This talk will explain the advantages of these devices and also detail the challenges for commercial application of silicon carbide and other wide band-gap devices.

Dinner Cost:

\$10 / person

\$5 / student

Please assist the chapter in pre registering for this event. In light of recent world events NSC Security has requested a list of attendees prior to the day of the event. Same day registration and walk-ins are still welcome. To pre-register send email with contact info to either:

Steve Leibiger (steven.leibiger@fairchildsemi.com)

Steve Adler (Steven.J.Adler@nsc.com)

Beacon Publishing

The Beacon is published on a monthly schedule based upon the need to advertise upcoming meetings. All material submitted for the Beacon must be received by the editor no later than the 15th of the month preceding the issue in which it should be included. Sorry, NO EXCEPTIONS!!

Send articles to:

George Elliott, Editor
University of Maine
5708 Barrows Hall, Rm. 15
Orono, Maine 04469
207-581-2350
gelliott@eece.maine.edu

Circulation issues? See:

Stan Koski, Circulation
Central Maine Power
Edison Drive
Augusta, Maine 04336
207-626-9870
stanley.koski@cmpco.com



Nonprofit Org.
U.S. Postage
PAID
Augusta, ME
Permit No. 0024

The Beacon
Maine Section, IEEE
64 Edison Drive
Augusta, ME 04330
www.ieee.org/maine