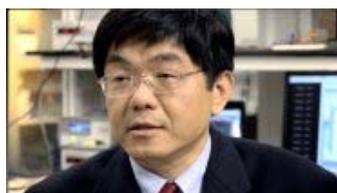


What's New for Students



March 2013

Welcome to the **What's New for Students** e-newsletter, designed to help you efficiently connect with your IEEE Student member benefits. Here you'll find information on student competitions, events, scholarship opportunities, be able to search a complete list of available member benefits and services and much more. We would love to hear [feedback](#) on what you would like to see in future editions. Thank you for your membership.



[Utilizing Wireless Power and Communication in Medical Systems](#)

Dr. Chiao gives examples of the practical applications as well as the challenges of using wireless power and communications in medical systems.



[Don't Miss the Applied Power Electronics Conference and Exposition!](#)

If you're a power electronics engineer, the 2013 Applied Power Electronics Conference and Exposition (APEC) in Long Beach, California is the place to be in March!

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[Developing Point-of-Care Technologies](#)

What are the most important issues facing the widespread adoption of point-of-care medical technologies? IEEE Fellow Dr. Atam Dhawan answers this and other questions about point-of-care technologies.

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Free IEEE-USA eBook Offered as Special Benefit to IEEE Members

As a special benefit of IEEE Membership for the month of March, IEEE-USA is offering a free eBook, *Launching Your Career--Book 3: A Practitioner's Guide to Leadership* written by

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Benefits



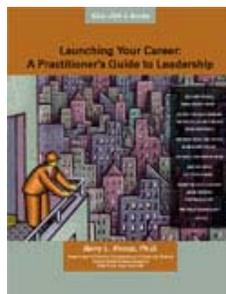
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Entries Sought for Solar Splash Competition

Do you have an idea for a solar-electric boat? Want to put that idea

IEEE Senior Member, Barry L. Shoop, Ph.D.

This eBook is a compilation of insights from numerous scholarly references and also includes examples from Shoop's personal leadership experiences. It provides a starting point for those interested in becoming more effective leaders through stimulating thought, motivating practice, and inspiring reflection. A *Practitioner's Guide to Leadership* covers the spectrum of leadership development, including leadership theories, principles of leadership, leadership traits, the distinction between managers and leaders, team composition and diversity of opinion, individual and group dynamics, and running effective meetings.



Other eBooks in this series include:

1. *Launching Your Career—Book 1: How To Find Your Perfect Job;*
2. *Launching Your Career—Book 2: How To Make the Transition from Classroom to the Office;*
3. *Launching Your Career—Book 4: Lifelong Learning—Your Key to an Enjoyable and Rewarding Career.*

Launching Your Career--Book 3: A Practitioner's Guide to Leadership [can be downloaded for FREE](#) through 31 March 2013. Non-member price is US\$7.99.

In April, the IEEE-USA free eBook will be *Perspectives on the Management of Technology* written by Gerard H. (Gus) Gaynor, Retired 3M Director of Engineering and IEEE Senior member. Information on how to download this eBook will be available in the April issue of the *Member Benefits Bulletin*.

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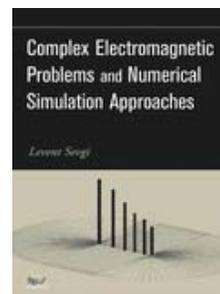


to the test and win an award? Registration is now open for the 2013 Solar Splash, a competition organized by the IEEE Power Electronics Society. Students are given the chance to develop a solar-electric boat and test it on the water in a competition to be held 12-16 June 2013, in Cedar Falls/Waterloo, Iowa, USA.

Registration closes 30 April 2013. [Find out more about the 2013 Solar Splash.](#)

eBook Classic Feature

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Title: Complex Electromagnetic Problems and Numerical Simulation Approaches

Copyright Year: 2003

Authors: Sevgi, L.

Publisher: Wiley-IEEE Press

Topics: Fields, Waves & Electromagnetics

Abstract: Today, engineering problems are very complex, requiring powerful computer simulations to power them. For engineers, observable-based parameterization as well as numerically computable forms, with rapid convergent properties if in a series, are essential. *Complex Electromagnetic Problems and Numerical Simulation Approaches*, along with its companion FTP site, will show you how to take on complex electromagnetic problems and solve them in an accurate and efficient manner.

Enter Your Video Game at Annual Game Trade Show

Do you attend a school in the United States that offers classes in developing video games? You can enter your school in the Entertainment Software Association's student contest for the chance to showcase your work at E3, the world's largest trade show for computer and video games. [Find out more in this IEEE Roundup.](#)



Nominations Sought for IEEE Eta Kappa Nu Awards

IEEE Eta Kappa Nu (HKN), IEEE's honor society, is seeking nominations for its awards program. The six IEEE-HKN awards recognize students, academics, and industry professionals who have made outstanding contributions to society and who exemplify a balance of scholarship, service, leadership, and character. Past recipients have gone on to make major contributions to the electrical and computer engineering fields and IEEE-designated fields of interest and hold noteworthy positions in academia, industry, and government.

You have until 30 April to nominate a person for four awards:

- Outstanding Young Professional Award
- C. Holmes MacDonald Outstanding Teacher Award
- Vladimir Karapetoff Outstanding Technical Achievement Award
- Distinguished Service Award

You have until 30 June to nominate a chapter or person for two awards:

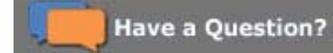
- Outstanding Chapter Award
- Alton B. Zerby and Carl T. Koerner Student Award (known as the Outstanding Student Award)

[Visit the IEEE HKN Web site](#) for more information on award descriptions, eligibility requirements, and nomination forms and guidelines.

Please direct all questions to info@hkn.org

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