

What's New for Students



September 2012

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.

Think you can code? Prove it to the world on 20 October 2012.

SOLVE and WIN the world's most extreme programming challenge!

Special Early Registration. Don't miss a chance to win. Register your team before 27 September at 00:00:00 UTC, and be in the drawing to win a free IEEE Computer Society student membership*. Each team member will receive free membership to IEEE and the Computer Society for 2013 and access to the Computer Society Digital Library (CSDL).

[▶ REGISTER NOW](#)

You will need your IEEE Account Username and Password to register your team for the competition. Registration will close 6 October at 00:00:00 UTC.

Prizes for IEEEExtreme 6.0 The winning team members claim ultimate bragging rights and are recognized as some of the world's top up-and-coming programmers. Prizes include an all-expense-paid trip to the IEEE conference of your choice anywhere in the world and cool items from IEEEExtreme sponsors.

In addition to the grand prize the following prizes will be awarded:

- 2nd place overall: Netbook for each team member
- 3rd place overall: Netbook for each team member
- 1st place in each [region](#): Cool IEEE merchandise
- All active participants: IEEEExtreme 6.0 t-shirt and certificate

See the [official rules](#) for further details. If you have questions about the competition, registration or how to retrieve your member number, e-mail the [IEEEExtreme team](#).

Good luck!

* Those teams that register by 27 September 00:00:00 UTC are entered into a random drawing for each team member to receive free IEEE and IEEE Computer Society Membership, as well as access to the Computer Society Digital Library (CSDL).

Registration Opening Soon for Formula Hybrid Competition

Registration will open in early October for the 2013 Formula Hybrid International Competition, sponsored by IEEE and SAE (Society of Automotive Engineers) International. The competition will take place at the New Hampshire Motor Speedway in Loudon, New Hampshire, USA, 29 April – 2 May 2013.



The event challenges college and university students to design, build and race high performance vehicles and also includes a fuel efficiency component. Students with backgrounds in electrical, mechanical and computer engineering are encouraged to compete.

[Learn more about the competition.](#)

IEEE Computer Society Scholarships and Awards Available

IEEEExtreme 6.0

University sponsors needed for IEEEExtreme 6.0 Programming Competition

The IEEEExtreme Team is looking for sponsors for the annual computer programming student competition, IEEEExtreme, scheduled for 20 October 2012. IEEEExtreme is a global challenge in which teams of IEEE student members – supported by an IEEE Student Branch, advised and proctored by an IEEE member – compete in a 24-hour time span against each other to solve a set of programming problems. Sponsorship is an excellent way for interested companies and universities to get an edge on recruiting the next generation of top talent in the engineering, computer, and technology fields. If your university has several teams participating in IEEEExtreme and would like to become a sponsor, please read the [sponsor brochure](#) or [contact us](#).

IEEE Day

The 3rd annual IEEE Day will be held on 2 October 2012. Around the world, events and activities are being planned emphasize this year's theme of "Engineering the Future and Beyond". For up-to-date information, like us on [facebook](#) or visit [www.ieeeday.org](#).

Upgraded E-commerce Platform

IEEE has launched its new e-commerce platform with a greatly enhanced user experience for joining and renewing members. In addition, you can more easily manage your account preferences and purchase products through IEEE *Xplore*.

A list of the most frequently asked questions regarding the upgrade and new sign in security procedures can be found in the [IEEE Support Center knowledgebase](#).

Benefits

Three scholarships and awards are currently available to students who are IEEE Computer Society members.

Richard E. Merwin Student Scholarship

This scholarship was created to recognize and reward active leaders in the IEEE Computer Society (CS) student branch chapters who show promise in their academic and professional efforts. Winners will have the opportunity to serve as IEEE CS Student Ambassadors for their region. Over a dozen scholarships of US\$1,000 and up are available, for one academic year. **The deadline is 30 September 2012.** A minimum Grade Point Average (GPA) of 2.5 is required.

Lance Stafford Larson Student Scholarship

Established in 1983, the Lance Stafford Larson award encourages students to develop excellence in their communication skills and motivates them toward achievement in the field of Computer Science. One award of US\$500 is given each year to the first place winner. First, second and third place winners also receive a certificate of commendation and a writing implement. This award is presented for the best student paper. Only papers concerning computer related subjects are eligible. Papers will be judged on technical content, writing skill and overall presentation. A minimum GPA of 3.0 is required. **The deadline is 31 October 2012.**

Upsilon Pi Epsilon Student Award for Academic Excellence

The Executive Council of Upsilon Pi Epsilon (UPE) encourages academic excellence for students in the computing discipline. The UPE initiated this award with the IEEE Computer Society, as the largest association of computer professionals, to raise the importance of academic achievement in our future computer professionals.

Up to four awards of US\$500 each are given each year to competition winners. Winners also receive a certificate of commendation, and a periodical subscription for one year. The UPE award criteria requires the same minimum grade point average that UPE membership requires, (currently a minimum of 3.0 out of a possible 4.0). Judging will be based on academic achievement, extracurricular activities related to the discipline of computing, and letters of recommendation. **The deadline is 31 October 2012.**

[Find out more about these Scholarship opportunities.](#)

Enter the IEEE/IBM Smarter Planet Challenge

IBM and IEEE are in search of creative team-based student projects for the Smarter Planet Challenge. The purpose of the competition is to identify student-developed projects that solve real world problems. These projects should help students at any level learn about applying engineering, science and other disciplines. It's a great opportunity to put your engineering skills to use...and earn cash prizes too!

The competition is open to college/university students from all geographic locations. Student teams should have three to five members in any year of university study. At least one team member must be an IEEE member. To out more about this exciting learning opportunity, visit:

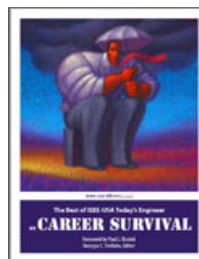
www.ieee.org/go/smarter_planet_challenge or e-mail smartplanetchallenge@ieee.org.

Submissions are **due by 1 November 2012**. [Find out more.](#)

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

As a special benefit of IEEE membership, for the month of September IEEE-USA is offering a free eBook, ***The Best of IEEE-USA Today's Engineer on Career Survival***.

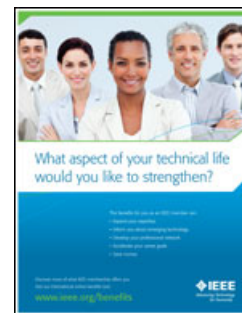
The Best of Today's Engineer on Career Survival is a compilation of exceptional articles on career survival from IEEE-USA Today's Engineer that can help you find success in today's challenging job market. We all need the ability to survive in a changing world. Engineers need a better awareness about the changing business eco-system and what those changes mean. The articles in this e-book will help to increase your situational awareness of the marketplace, which in turn, can help you with career planning and developing sustainable job skills. You'll also learn how to assess the market and yourself; how to stay competitive; and what steps to take to survive and remain competitive in today's job market.



The Best of Today's Engineer on Career Survival [can be downloaded for FREE](#) through 30 September 2012. Non-member price is US\$5.99.

In October the IEEE-USA free eBook will be *Writing for Success — An Engineer's Guide, Volume 1: Designing for Success*. Information on how to download this eBook will be available in the October Benefits Bulletin.

To purchase IEEE members-only products and receive the member discount on eligible products, members must sign in with their IEEE Account.



Discover more of what IEEE membership offers you. [Visit our Global Benefits Finder.](#)

Entries Sought for Solar Splash Competition

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

[Find out more about the 2013 Solar Splash.](#)

eBook Classic Feature

Did You Know?

IEEE Student and Graduate student members can download their membership certificate through myIEEE. The link to this feature is located in the greeting section at the top of the page once signed in. Upon clicking on Member Certificate (PDF), from the drop down greeting menu, a color certificate, that includes your name, grade and year, will automatically be created.

[Go to myIEEE](#)



IEEE.tv



[2012 IEEE Honors - IEEE Presidents' Change the World Competition](#)

IEEE President and CEO Gordon W. Day and IEEE President-Elect Peter W. Staecker present the IEEE Presidents' Change the World Competition to a team of students from the University of Oxford.



[Mayo Clinic Motion Lab](#)

The Mayo Clinic Motion Lab is a state-of-the-art facility that supports scientists in finding the highest quality support for victims of disabilities within their neuromusculoskeletal system. The Motion Lab combines biomedical engineering and computer animation to map human motion.



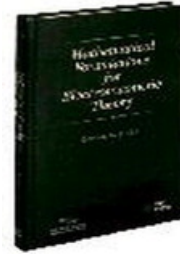
[TryEngineering Careers with Impact: van Stam](#)

Most engineers would say that careers in engineering offer some of the most personally rewarding experiences. This video profiles the career of IEEE member Gertjan van Stam, whose hard work and dedication helped bring internet connectivity to the people of rural Zambia, Africa.

FOLLOW IEEE.TV



IEEE members have access to more than 260 free eBooks from the IEEE Press collection through IEEE *Xplore*.



Title: Mathematical Foundations for

Electromagnetic Theory

Copyright Year: 1994

Authors: Dudley, D.

Publisher: Wiley-IEEE Press

Topics: Fields, Waves &

Electromagnetics

Abstract: Co-published with Oxford University Press. This highly technical and thought-provoking book stresses the development of mathematical foundations for the application of the electromagnetic model to problems of research and technology. Features include in-depth coverage of linear spaces, Green's functions, spectral expansions, electromagnetic source representations, and electromagnetic boundary value problems. This book will be of interest to graduate-level students in engineering, electromagnetics, physics, and applied mathematics as well as to research engineers, physicists, and scientists.

To find this and other eBook Classics available to members at no additional cost, please sign in to [IEEE Xplore](#) using your IEEE Account.

Have a Question?

Let an IEEE staff member answer a question about your member benefits.

[Ask a Question](#)

Collaborate with:



Although the IEEE is pleased to offer the privilege of membership to individuals and groups in the OFAC embargoed countries, the IEEE cannot offer certain services to members from such countries.

IEEE

445 Hoes Lane

Piscataway, NJ 08854 USA

+1 800 678 4333 (toll free, US & Canada)

+1 732 981 0060 (Worldwide)

For more information or questions regarding your IEEE membership or IEEE Web Account, please direct your inquiries to the [IEEE Contact Center](#).