CS EXPANDS ONLINE LEARNING OPTIONS FOR MEMBERS

As part of their membership in 2013, IEEE Computer Society members have free access to TechLeader OnLine, a new platform containing hundreds of courses, books, and certifications. The courses are organized into 16 Knowledge Centers that enlist video, audio, mentoring, and other fresh educational approaches as tools to increase engagement and interaction.

The TechLeader OnLine business skills courses, delivered via Skillsoft, incorporate proven learning methodologies that feature interactive problem-solving case studies, practice labs, and simulations. Learners preparing for certifications can seek mentoring guidance ranging from in-depth queries to daily email reminders to keep on track.

Technical skills are the focus of 11 Knowledge Centers:

- **IT Security**—basic courses and practice labs, along with test preparation courses, 20-plus online books, and the Certified Information Security Manager, Certified Information Security Auditor, and Systems Security Certified Professional certifications.
- **DoD Directive 8570.1**—a variety of certifications that meet the US government’s certification requirements, including CompTIA, Certified Information Security Manager, and Certified Information Systems Security Professional designations.
- **Java**—from beginning programming with Java SE 6 or 7 to learning how to create applications, plus Oracle Certified Associate and the Java SE 6 Programmer Certified Professional credentials.
- **Cisco**—a variety of Cisco certifications, including the Cisco Certified Security Professional (CCSP), Cisco Certified Inter-networking Professional (CCIP), and Cisco Certified Networking Associate (CCNA) certifications for security and voice.
- **Oracle**—an array of practice labs, supplemented by 20-plus online books.
- **Microsoft Certified Solutions Associate/Expert (MCSA/MCSE)**—the courses and exams needed to obtain these certifications, bolstered by hands-on practice labs, mentoring, and SoftSkil’s Learning Sparks courses intended to inspire further thought.
- **Microsoft Enterprise**—supported by practice labs and 20-plus online books.
- **Microsoft Office 2010**—courses in Excel, Powerpoint, Outlook, Project, and Visio that can lead to the next level of expertise.
- **Six Sigma**—from introductory courses to courses leading to a Six Sigma Green Belt or Black Belt.
- **Visual Basic**—from introductory to advanced courses, supported by practice labs and 70-plus books.
- **Visual C#**—from introductory to advanced courses, supported by 70-plus online books and many practice labs.

The other five Knowledge Centers focus on professional skills:

- **Leadership**—courses ranging from managing innovation and change to launching successful teams, giving effective presentations, delegating, and offering constructive criticism.
- **Management**—from first-time managers’ courses to advanced courses in building and maintaining trust, creating a positive work environment, and managing in a global environment.
- **Project management**—courses that teach project management essentials, from creating and defining a project to leading teams and measuring results, plus the Project Management Professional certificate.
- **Professional foundations**—online courses in communication basics, being an effective team member, and dealing with difficult people to improve your performance in an organization.
- **Call centers**—courses steering technology professionals in the right direction for learning best communications practices, developing effective listening skills, or working in call center teams.

The books and courses will be updated throughout the year.

‘IEEE Computer Society has a strong ongoing commitment to members’ professional
CHANGES TO SOCIETY BYLAWS AVAILABLE ONLINE

The IEEE Computer Society Board of Governors recently approved the first reading of two amendments to the Society’s bylaws.

Article II (Nominations and Elections), Sections 2 and 5, were revised to reduce the number of annually elected Board member positions from seven to five and to decrease the required number of nominees on the ballot from 11 to nine. If approved, the bylaws amendment would reduce the total elected members of the Board from 21 to 15. The relevant sections with proposed changes are available for review at http://bit.ly/120lArZ. Deletions are marked in strike-out text. Only relevant segments of the bylaws in question are reproduced.

Article III (Board of Governors), Section 2, was revised to add “past president” to the list of Society officers of the Board. The relevant section is available for review at http://bit.ly/15BGzjH.

Changes to existing Society bylaws that receive first- and second-reading approval by the Board of Governors are listed by title in Computer, with links to a website location hosting the actual documents. The documents remain accessible at this location until such time as the changes receive final approval.

Members can send comments to Anne Marie Kelly (amkelly@computer.org) by close of business, 3 May 2013.

QUALCOMM’S IRWIN JACOBS TO RECEIVE IEEE MEDAL OF HONOR

IEEE Life Fellow Irwin M. Jacobs, cofounder of Qualcomm, will receive the 2013 IEEE Medal of Honor, IEEE’s highest award. Jacobs is being honored for leadership and fundamental contributions to digital communications and wireless technology. He oversaw Qualcomm’s revolutionary innovations in code division multiple access, a technology fundamental to today’s 3G mobile wireless standards.

The IEEE Medal of Honor recipient and 19 other technologists will be recognized at the IEEE Honors Ceremony on 29 June 2013 in San Diego, California.

Since 1917, the IEEE Awards Program has paid tribute to technical professionals whose exceptional achievements and outstanding contributions have made a lasting impact on technology, society, the engineering profession, and humanity.

Recipients of IEEE-level awards are recognized as the most influential representatives of their chosen field. They are honored for their resolve to discover, extend, or complement technological advancements in education, industry, research, and service. Each year, new recipients join the prestigious IEEE Award honoree list through a selective peer nomination and approval process.

View the complete list of 2013 IEEE award recipients at www.ieee.org/about/awards/2013_tfa_recipients.pdf. For more information on the IEEE awards program, visit www.ieee.org/about/awards/index.html.

COMPUTER SOCIETY APPOINTS TWO NEW EICS

The Computer Society has announced the appointment of editors in chief for two new publications: IEEE Transactions on Emerging Topics in Computing, an open access journal, and IEEE Transactions on Cloud Computing, the Society’s newest peer-reviewed journal.

IEEE Fellow and IEEE Computer Society Distinguished Visitor, Lombardi received a doctorate in electronic engineering from University College London.

Within the Computer Society, Lombardi has been an ex officio member of the Publications Board, as well as the Operations...
Committees on Transactions and the Computer Society Digital Library. He serves as chair of the IEEE Computer Society Test Technology Technical Council Committee on Nanotechnology and is a member of the steering committee for the IEEE Transactions on Nanotechnology.

TETC is one of several IEEE open access journals being developed in response to the academic community’s calls for articles to be freely available to the public. With open access, readers can download articles without paying subscription fees. Instead, authors pay a fee to publish their articles. The open access author fee will be $1,350 per article.

Rajkumar Buyya: IEEE Transactions on Cloud Computing

Rajkumar Buyya, director of the Cloud Computing and Distributed Systems Laboratory at the University of Melbourne, is the editor in chief of IEEE Transactions on Cloud Computing (TCC), the IEEE Computer Society’s newest peer-reviewed journal.

Buyya, a professor of computer science and software engineering at the University of Melbourne, is also founding CEO of Manjrasoft Pty Ltd., a university spinoff that has developed innovative software technologies for cloud computing utilized by high-profile organizations such as China Southern Railways and the Indian Space Research Organization.

Well known within the cloud computing community, Buyya was the 2009 recipient of the IEEE Medal for Excellence in Scalable Computing in recognition of his contributions to the economic paradigm for utility-oriented distributed computing platforms.

Among Buyya’s many awards are the IEEE Computer Society’s Richard Merwin Award in 1999 and a Distinguished Service Award in 2009. He is the cofounder of five IEEE/ACM international conferences: CCGrid, Cluster, Grid, e-Science, and Utility and Cloud Computing.

“The cloud computing paradigm will deliver IT infrastructure and application services as the fifth utility and act as a driver for the next wave of innovations,” said Buyya. “It presents many exciting research challenges and business opportunities with potential to become a trillion-dollar industry by 2020.”

Selected CS articles and columns are available for free at http://ComputingNow.computer.org.
IEEE CS MEMBERS NAMED IEEE FELLOWS IN 2013

Sixty IEEE Computer Society members and associates will be elevated to IEEE Fellow grade in 2013. IEEE Fellow is a distinction reserved for select IEEE members who have made extraordinary accomplishments in any of the IEEE fields of interest.

At the time the nomination is submitted, a nominee must

- have accomplishments that have contributed importantly to the advancement or application of engineering, science, and technology, bringing the realization of significant value to society;
- hold Senior Member or Life Senior Member grade at the time the nomination is submitted;
- have been a member in good standing in any grade for a period of five years or more preceding 1 January of the year of elevation.


Nominations for 2014 IEEE Fellows are now being accepted at www.ieee.org/membership_services/membership/fellows.

The 60 Computer Society members and associates elevated to Fellow status in 2013 include the following:

A
Robert Aitken, ARM

B
Sanjoy Baruah, University of North Carolina at Chapel Hill
Jacek Blazewicz, Poznan University of Technology
Enrico Bocchieri, AT&T Research

C
Ramon Caceres, AT&T Labs
Jan Camenisch, IBM Zurich Research Lab
Raja Chaitia, Institut des Systèmes Intelligents et de Robotique

D
Mihai Datcu, German Aerospace Center (DLR)
Matthew Dwyer, University of Nebraska–Lincoln

E
Aaron Fenster, Western University
Elena Ferrari, University of Insubria

F
David Garlan, Carnegie Mellon University
Alan George, University of Florida
Dimitris Gizopoulos, University of Athens
Fred Glover, Opt Tek Systems

G
Jayant Haritsa, Indian Institute of Science, Bangalore
James Hoe, Carnegie Mellon University
Michael Hsiao, Virginia Tech

H
Sushil Jajodia, George Mason University
Xiaohua Jia, City University of Hong Kong

I
Jeffrey Kephart, IBM T.J. Watson Research Center
Peter Key, Microsoft Research Ltd., UK
Masaru Kitsuregawa, University of Tokyo
Joseph Konstan, University of Minnesota

J
Carl Landwehr, George Washington University
Sung-Ju Lee, Hewlett-Packard Laboratories
Li Li, Bell Labs, Alcatel-Lucent
James Libous, Lockheed Martin
Mikko Lipasti, University of Wisconsin-Madison
Eugene Litvinov, ISO New England

K
Charles Lieman, Harvard University

L
Yi Ma, Microsoft Research Asia
Madhav Marathe, Virginia Tech
Igor Markov, University of Michigan
Subhasish Mitra, Stanford University
Matt Mutka, Michigan State University
Brad Myers, Carnegie Mellon University

M
Steven Reinhardt, AMD Research
Michel Renovell, Laboratoire d'Informatique, Robotique et Microélectronique de Montpellier-Centre National de la Recherche Scientifique
Jon Rokne, University of Calgary

S
Sudeep Sarkar, University of South Florida
André Seznec, INRIA
Weiming Shen, National Research Council Canada
Prashant Shenoy, University of Massachusetts
Claudio Silva, NYU Poly Institute of Technology
Pradeep Sinha, Pune University
Kevin Skadron, University of Virginia
Stefano Soatto, University of California, Los Angeles
Mary Lou Soffa, University of Virginia
Sang Son, University of Virginia
Marc Stubbe, Tractebel Engineering
Craig Stunkel, IBM T.J. Watson Research Center

T
Valerie Taylor, Texas A&M University
Jerzy Tyszler, Poznan University of Technology
Matthew Turk, University of California, Santa Barbara

U
Ramasamy Uthurusamy, Oakland University

V
Ingrid Verbauwhede, University of Leuven

W
Wen-Hann Wang, Intel

Y
Jie Yang, National Science Foundation

Z
Ramin Zabih, Cornell University
Zhi-Hua Zhou, Nanjing University