Barrett Wins Pre-College Education Award

The UK’s Tom Barrett was recently honored with the IEEE Computer Society’s Distinguished Contributions to Public Service in a Pre-College Environment Award. Barrett is a teacher, speaker, and curator of ideas who employs cutting-edge educational technology to inspire and engage children in their learning. His award citation reads, “For inspired leadership and dedication in promoting the use of modern technology in education both locally and internationally.”

Barrett has a passion for helping teachers connect and learn together through the use of online tools. He has been instrumental in supporting and encouraging thousands of teachers worldwide to connect and to build networks that help support their professional development.

During the past 10 years, Barrett has taught at three different Nottinghamshire primary schools as a specialist ICT teacher, floating staff member, and full-time classroom teacher in grades ranging from Nursery to Year 6. In addition, he has played a major role in successful Office for Standards in Education, Children’s Services and Skills inspections, one of which was judged to be “Outstanding.”

Barrett was the first educator in the world to work with and develop learning applications for a multi-touch surface device designed by Philips. He currently participates in the steering group for Durham University’s SynergyNet, a project that is researching the future path of multi-touch pedagogy. Barrett worked with Google to bring its teacher academy event to London in 2010, the first time Google held the event outside the US. He has acted as curator for numerous training resources including the Interesting Ways series and Maths Maps. Barrett has used crowdsourcing methods to redefine the way educational resources are created, raising the bar for high-quality, practical resources developed by teachers for teachers. A principal consultant to Notosh Limited, Barrett continues to share his expertise on his edte.ch blog and via 140 characters on Twitter (@tombarrett).

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PRE-COLLEGE ENVIRONMENT AWARD

The IEEE Computer Society’s Distinguished Contributions to Public Service in a Pre-College Environment Award honors outstanding individuals who further the professional and technical goals of the IEEE Computer Society in K-12 primary and secondary schools.

Nominations are due 15 October. To learn more about Computer Society awards, including the Pre-College Environment Award, visit www.computer.org/awards.
The IEEE Computer Society publishes seven magazines and journals that are among the top 10 in their respective categories, according to the latest Journal Citation Reports from Thomson Reuters.

IEEE Transactions on Pattern Analysis and Machine Intelligence was the top-ranked journal in the computer science artificial intelligence category in the 2010 JCR, continuing its long history of being among the most highly ranked technical journals. The journal also ranked fourth in the electrical engineering category in the 2010 reports.

In the computer science software engineering category, IEEE Micro ranked sixth, IEEE Internet Computing seventh, and IEEE Transactions on Software Engineering ninth. Two IEEE Computer Society publications, IEEE Transactions on Mobile Computing and IEEE Pervasive Computing, were among the top 10 in the telecommunications category. TMC and PvC ranked fourth and seventh, respectively, in the 2010 JCR telecommunications category.

Two Computer Society publications were also among the top 10 in the computer science hardware and architecture category. IEEE Micro ranked fourth, and Computer, the Society’s flagship magazine, ranked tenth. Computer focuses on all areas of computing.

JCR metrics define journal performance across disciplines and institutions worldwide. The reports present quantitative data that provides an objective way to evaluate the world’s leading journals and their impact and influence in the global research community. JCR covers more than 9,100 of the most highly cited, peer-reviewed journals from 78 nations. By compiling articles’ cited references, the reports help to measure research influence and impact at the journal and category levels and show the relationship between citing and cited journals.

Learn more at http://thomsonreuters.com/products_services/science/science_products/a-z/journal_citation_reports.

The IEEE Technical Activities Board has approved changing the name of the Software Process Achievement (SPA) Award to recognize the outstanding achievements of the late Watts S. Humphrey, a software engineering process pioneer at Carnegie Mellon University’s Software Engineering Institute who was an early supporter of the award.

The award’s new official name will be the IEEE Computer Society/Software Engineering Institute Watts S. Humphrey Software Process Achievement Award. The name change was also endorsed by the SPA Award Selection Committee, the IEEE Computer Society Awards Committee, and the IEEE Computer Society Board of Governors.

Humphrey’s legacy includes development of the Software Capability Maturity Model, the Software Process Assessment and Software Capability Evaluation methods, and the Personal Software Process and Team Software Process methodologies.

Cosponsored by the IEEE Computer Society and the Software Engineering Institute, the Watts S. Humphrey Software Process Achievement Award recognizes outstanding achievements in improving an organization’s ability to create and evolve software-dependent systems. The award may be presented to an individual, group, or team. Nominees are most often employees of an organization that produces, supports, enhances, or provides software-dependent systems.

Anyone can nominate candidates for the honor, and organizations can nominate themselves. All nominations must be seconded by a senior executive of the organization in which the nominated individual or team works, and supported by a 10-page nomination package detailing how the nominee’s software engineering or process improvement work is, to an exceptional degree, significant, sustained, measured, and shared. For more information, visit www.computer.org/awards.

Software engineering pioneer Watts S. Humphrey was awarded the National Medal of Technology in 2005.

“Watts was a strong proponent for the establishment of this prestigious award and continued to be an advocate in the selection process for many years,” said SEI Director and CEO Paul D. Nielsen in requesting that the award’s name be changed to honor Humphrey’s accomplishments.

Humphrey founded the Software Engineering Institute’s Software Process Program in the 1980s and served as its director from 1986 until 1996. He was the author of 11 books.
IEEE Design & Test of Computers Moves to CEDA

The IEEE Council on Electronic Design Automation is taking over ownership of IEEE Design & Test of Computers from the IEEE Computer Society.

An agreement transferring ownership of the magazine was signed in June 2011 by IEEE Computer Society President Sorel Reisman and Andreas Kuehlmann, president of the IEEE Council on Electronic Design Automation. The ownership change is effective 1 January 2012.

“We are excited to take over this high-quality magazine. We are planning to join forces with two of our member societies, the Circuits and Systems Society and the Solid-State Circuits Society, as well as the Test Technology Technical Council to further strengthen this publication,” said Kuehlmann.

Published since 1984 by the IEEE Computer Society (and copublished with CASS since 2002), D&T has a loyal subscriber base. Transferring the magazine to CEDA will provide additional resources to promote it to a wider audience. D&T covers the tools, techniques, and concepts used to design and test electronic product hardware and supportive software. The magazine is a leader in analysis of current and near-future practices.

Said Rajesh Gupta, vice president of publications for CEDA, “D&T complements our existing portfolio of publications, which consists of IEEE Transactions on Computer-Aided Design and IEEE Embedded Systems Letters, to provide a comprehensive benefit to our community, bringing together not only the latest advances in theory and practice, but also the personalities and views that shape our industry and profession.”

As part of the agreement, D&T issues produced by CEDA will be available to Computer Society Digital Library subscribers through 2014 at www.computer.org/portal/web/csdl/magazines/dt.

B. Ward, Editor; bnward@computer.org

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