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EUROSYS 2010 EXPLORES FUTURE COMPUTER SYSTEM DESIGNS

Leading Experts Present Innovative Technology in Computer Systems

Paris, France, April 12th, 2010 – [The EuroSys 2010 conference](#) and co-located workshops feature an extensive array of research ideas revolving around computer system design. The conference, from **April 13 - April 16, at the Conservatoire National des Arts et Métiers (CNAM)**, will address computer system research that drives the design and development of new technologies for the next 5-10 years and beyond. These technologies include new storage system designs, support for transactional memory, scheduling and programming of real time systems and data centers, new ways to simplify systems management, and ways to secure systems from an array of attacks, including Byzantine ones. EuroSys 2010 is sponsored by ACM (the Association for Computing Machinery) and the European chapter of [ACM SIGOPS](#), its Special Interest Group on Operating Systems.

EuroSys 2010 will present the annual [Roger Needham PhD Award](#), donated by Microsoft Research Cambridge, UK. This award recognizes a Ph.D. student from a European University whose thesis is regarded as an exceptional, innovative contribution to knowledge in the systems area. This year, the recipient of this award is Willem de Bruijn from Vrije University in Amsterdam. This award recognizes his work in adaptive operating system design for high throughput I/O.

In addition, Eurosys will present best the **Best Paper Award** to the paper “The next 700 BFT protocols” from Rachid Guerraoui (EPFL), Nikola Knezevic (EPFL), Vivien Quéma (CNRS), Marko Vukolic (IBM Research Zurich). The **Best Student Paper Award** goes to the paper “Otherworld - giving applications a chance to survive OS kernel crashes” from Alex Depoutovitch and Michael Stumm (University Of Toronto).

EuroSys 2010 includes several co-located workshops and tutorials, including:

- Tutorial on WebScale Data Management
- Tutorial on Networked Systems for Developing Regions

- Tutorial on Storage Virtualization and High-Performance I/O: Storage I/O Stack Design and Implementation
- Tutorial on Web 2.0 Applications
- Tutorial on Grid and Cloud Computing with XtreamOS
- 5th International Workshop on Feedback Control Implementation and Design in Computing Systems and Networks
- 3rd ACM EuroSys Workshop on Social Network Systems
- 4th EuroSys Doctoral Workshop
- European Workshop on System Security
- 5th ACM SIGPLAN Workshop on Transactional Computing
- 4th Workshop on System-level Virtualization for High Performance Computing
- Workshop on Isolation and Integration for Dependable Systems

The conference attracts recognized academics, undergraduate students, industrial developers, researchers and managers as well as creators and users of technology from across the globe. As such, it has received generous support from several organizations, including [VMware](#), [Google](#), [Microsoft Research](#), [Technicolor](#), [Fondation Michel Métivier](#), [Xtream OS](#), [THEORIS](#), [AMD](#), [IBM Research](#), [Alcatel – Lucent](#), [Aster Data](#), [Intel](#), [ClusterVision](#), [ASR](#), [Inria](#), [CNAM](#), [ACM Sigops France](#), [Paris Convention and Visitors Bureau](#), [Air France - KLM](#). For more information, or to register, click on [here](#).

About ACM

ACM, the Association for Computing Machinery www.acm.org, is the world's largest educational and scientific computing society, uniting computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the computing profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

About ACM SIGOPS, European Chapter

[EuroSys](#), the professional society for Computer Systems in Europe, was established to promote excellence in Computer Systems education, research and industry in Europe. It was formed to federate European researchers in the area to improve their impact and to provide the European perspective within the international Systems community. EuroSys is approved as the European chapter of [ACM SIGOPS](#).

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