



The Association for Computing Machinery  
*Advancing Computing as a Science & Profession*

Contact: Virginia Gold  
212-626-0505  
[vgold@acm.org](mailto:vgold@acm.org)

**FOR IMMEDIATE RELEASE**

## **OOPSLA 07 CONFRONTS TODAY'S SOFTWARE CHALLENGES**

### **Computer Programming Conference Features Two ACM Turing Award Winners**

**Montréal, Canada, September 12, 2007** – As the computer software field continues to evolve, OOPSLA 2007, the international conference on Object-Oriented Programming, Systems, Languages, and Applications, will attract software technologists from around the world. Participants will address the newest trends in improving programming languages, refining the practice of software development, and exploring new programming paradigms. The program includes international speakers, interactive panel discussions, innovative research papers, and inventive demonstrations. It is intended to spark debate on topics ranging from programmer productivity and secure, reliable software to changing hardware platforms and ultra-large scale systems. OOPSLA 2007 is sponsored by ACM (the Association for Computing Machinery) and ACM SIGPLAN, its Special Interest Group on Programming Languages. It runs from **October 21-25, at the Palais des congrès de Montréal, Québec, Canada.**

Featured speakers at OOPSLA 2007 include presentations from two ACM Turing Award recipients, **Frederick Brooks and John McCarthy, on Oct. 24.** Brooks won ACM's Turing Award for landmark contributions to computer architecture, operating systems, and software engineering. His presentation focuses on how teams can collaborate and "telecollaborate" to achieve conceptual integrity. McCarthy received the ACM Turing Award for major contributions to the field of artificial intelligence. His topic addresses Elephant 2000, a proposed programming language for writing and verifying programs that facilitate commercial transactions that involve people or other organizations.

Other keynote speakers include **Peter Turchi (Oct. 23, 8:30 a.m.)**, author of *Maps of the Imagination*, who will use examples from writing and cartography to explore the challenges facing creative software programmers; **Jim Purbrick and Mark Lentzner (Oct. 23, 1:30 p.m.)**, also known as Babbage Linden and Zero Linden, on Second Life, a virtual world in which to program collaboratively; **David Parnas of the University of Limerick (Oct. 24, 3:30 p.m.)** on making object orientation work better with more precise documentation; and **Gregor Kiczales of the University of British Columbia (Oct. 25, 8:30 a.m.)** on the role of context in determining developers' perspective on software.

OOPSLA 2007 is again hosting an ACM SIGPLAN Student Research Competition (SRC), where students meet and interact with researchers and share opportunities to learn of current research. The first round of SRC evaluation will be held jointly with the OOPSLA Poster Session, where authors may present late-breaking results or innovative work in an informal and interactive setting. The SRC shares the Posters session's goal of facilitating interaction among researchers and attendees. The SRC also affords students real-time experience with both formal presentations and evaluations.

The conference attracts recognized academics, undergraduate students, industrial developers, researchers and managers as well as creators and users of technology from across the globe. For more information, or to register, click on <http://www.oopsla.org/2007/>.

#### **About ACM**

[ACM <http://www.acm.org> is widely recognized as the premier organization for computing professionals, delivering resources that advance the computing and IT disciplines, enable professional development, and promote policies and research that benefit society.](http://www.acm.org) ACM hosts the computing industry's leading Digital Library and Guide to Computing Literature, and serves its 80,000 global members and the computing profession with journals and magazines, conferences, workshops, electronic forums, and its Career Resource Centre and Professional Development Centre.

#### **About ACM SIGPLAN**

ACM SIGPLAN <http://www.acm.org/sigplan> explores programming language concepts and tools, focusing on design, implementation, and efficient use. Its members are programming language users, developers, implementers, theoreticians, researchers, and educators. SIGPLAN promotes awareness and advancement of research and practice in programming languages. SIGPLAN sponsors four major annual conferences: the conference on Object-Oriented Programming, Systems, and Applications (OOPSLA); the Conference on Programming Language Design and Implementation (PLDI); the Symposium on Principles of Programming Languages (POPL); and the International Conference on Functional Programming (ICFP). SIGPLAN also sponsors many additional conferences and workshops on specific programming developments, and publishes topical newsletters.

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