

Candidate for Vice Chair

Anastasia Ailamaki
École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland
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BIOGRAPHY

Academic Background:

Ph.D., University of Wisconsin-Madison, 2000, Computer Science.

Professional Experience:

Assistant Professor, Associate Professor, Carnegie Mellon University, Pittsburgh, PA, USA, 2001 – 2007;

Adjunct Associate Professor, Carnegie Mellon University, Pittsburgh, PA, USA, 2008 – 2009;

Professor, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 2008 – 2009.

Professional Interest:

Database Management Systems; Computer Architecture; Scientific Data Management; Computer Systems.

ACM Activities:

Associate Editor, ACM SIGMOD Digital Symposium Collection (DiSC), 2002 – 2003;

Program Committee Chair, Demonstration Track, ACM SIGMOD International Conference on Management of Data, 2006 – 2006;

Program Committee Chair, General Chair, and Organizer, ACM SIGMOD Workshop on Data Management on Modern Hardware (DaMoN), 2005 – 2009;

Electronic Proceedings Chair (2002), PC member (several years), SIGMOD, SIGPLAN/SIGARCH/SIGOPS ASPLOS, SIGPLAN TRANSACT, etc., 2001 - 2009.

Membership and Offices in Related Organizations:

Publications Chair (2006-07) and Chair (2008-09), IEEE Workgroup on Self-Managing Database Systems, 2008 – 2009;

Associate Editor, IEEE Data Engineering Bulletin, 2006 – 2008;

Vice PC Chair (ICDE 2004, 2007) and PC member (several years), ICDE, VLDB, ASPLOS, TRANSACT, 2001 – 2009.

Awards Received:

European Science Foundation: European Young Investigator Award, 2007; Alfred P. Sloan Foundation: Sloan Research Fellow, 2005; Six Best Paper Awards (VLDB 2001, ICDE 2004, FAST 2005, etc.), 2009; Anthony C. Klug NCR Graduate Fellow, 1998.

STATEMENT

Data management is nowadays more ubiquitous than ever, and has quickly become the key technology behind every challenging application. New research problems arise, ranging from requirements of diverse scientific applications, to new exciting problems arising from emerging businesses, to the revolutionary hardware and storage components that constitute our platforms.

I am deeply honored to be nominated as an ACM SIGMOD officer in these fascinating times. As the leading community for storing, retrieving, and understanding data, SIGMOD should be a strong pole of attraction for other disciplines. If elected, I will try to increase SIGMOD membership by promoting interdisciplinarity, thereby enhancing diversity while contributing to financial prosperity. We can attract as members knowledgeable scientists who conduct daily research and resolve challenging data management problems from a non-computer-science standpoint, as their work is tied to their particular field. I would also like to contribute to ongoing efforts towards improving the quality of reviewing submitted work to SIGMOD. Finally, I plan to start a systematic effort to facilitate student attendance to conferences, as well as invent relatively informal but highly interactive ways for young researchers, new faculty, and underrepresented groups (e.g., women and scientists from remote geographic areas) to showcase their work.