

CANDIDATE FOR ACM SIGMOD VICE CHAIRPERSON

PROF. ANASTASIA AILAMAKI

**ECOLE POLYTECHNIQUE FEDERALE DE
LAUSANNE, SWITZERLAND
CARNEGIE MELLON UNIVERSITY, USA**

<http://people.epfl.ch/anastasia.ailamaki>
<http://dias.epfl.ch>



Professional Experience:

- Assistant and Associate Professor, Carnegie Mellon University, Pittsburgh, PA, 2001-2007
- Adjunct Associate Professor, Carnegie Mellon University, Pittsburgh, PA, 2008-present
- Professor, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 2008- present

Current areas of professional interest:

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

ACM activities:

- Associate Editor, ACM SIGMOD Digital Symposium Collection (DiSC), 2002-2003.
- Electronic Proceedings Chair, ACM SIGMOD Int'l Conf. on Management of Data, 2002.
- Program Committee Chair, Demo track, ACM SIGMOD Int'l Conf. on Management of Data, 2006.
- Program Committee Chair, General Chair, and Organizer, ACM SIGMOD Workshop on Data Management on Modern Hardware (DaMoN). 2005-now
- Program Committee Member, SIGMOD, SIGPLAN/SIGARCH/SIGOPS ASPLOS, SIGPLAN TRANSACT, etc. 2000-present.

Membership and offices in related organizations:

- Publications Chair (2006-07) and Chair (2008-present), IEEE Workgroup on Self-Managing Database Systems.
- Associate Editor, IEEE Data Engineering Bulletin, 2006-2008.
- Vice PC Chair, IEEE International Conference on Data Engineering, 2004 and 2007
- Program Committee Member, ICDE, VLDB, SBBB, etc. 2001-present

Awards received:

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

Statement:

Nowadays data management is 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 counts by promoting interdisciplinarity, thereby enhancing diversity while contributing to financial prosperity. I plan to entice knowledgeable scientists who 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 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.