

# **TCDE Chair Candidate Erich Neuhold**

## **Biography**

Erich J. Neuhold is currently Honorary (Adjunct) Professor for Computer Science at the University of Vienna and associated with the Fakultät fuer Informatik. Here he is involved with structured and unstructured multimedia Databases and Web-Information Systems and questions of Semantic enrichment for effective Information Interoperability and Mining. He is also investigating issues of interoperability, security and privacy as they arise in the WEB 2.0 environment and all the social communities whether private or professional.

Until April 2005 he was Professor of Computer Science at the University of Technology in Darmstadt and Director of the Fraunhofer Institute for Integrated Publication and Information Systems (IPSI) in Darmstadt, Germany an institution of about 120 persons involved in all aspects of Information systems and Internet Services. A number of spin-offs were started during his leadership to exploit the results of IPSI's research.

He is or has been on the Steering Committees of the main Data Base Conferences VLDB, ICDE and also the main Digital Library Conferences JCDL, ECDL and ICADL. He is or has been a member of various editorial boards and currently serves as one of the Chairs of the IJDL Editorial Board. He is a Fellow of IEEE, USA and of the Gesellschaft fuer Informatik, Germany.

He has published four books and about 200 papers.

## **Position statement**

If elected as the new TCDE Chair, I basically will continue the activities of the team established by the current Chair Kyu-Young Whang. I feel he and his team have done an excellent job and I will keep all of the members, if they so agree. Our membership has increased significantly and is still growing. Special attention should also be given to gain more members from organizations that are users of our technologies. Their input would make our conferences of higher interest to such persons and increase attendance. Our flagship conference series ICDE is doing very well and our Bulletin (edited by David Lomet) has a very high worldwide reputation. We also have two Working Groups, (1) Self-Managing DB Working Group and (2) Cloud Data Management Working Group, that are contributing significantly to the scope of our TC. Here I would make an effort to establish even more Working Groups, as they are flexible vehicles to cover newly arising important subjects (e.g. Big Data, Data Security and Privacy). It is interesting to note that that in the two established groups the processing aspect of data is of significance and this is even more so in a Cloud or Secure Data environment. A trust in data stores does not come from the data but from what is done with them. Here, I believe, our community can still make significant contributions to (re)establish trust in the Big data collections around, whether in company/government collections or in public/private clouds.

Overall I would say TCDE is sailing very well and I would not rock such a boat.

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