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TU Wien



Professor Eva Maria Kühn, Vienna University of Technology (TU Wien), Vienna, Austria

- Head of Space Based Computing, Vienna University of Technology (TU Wien)
- Senior Member of the Governing Board of the Austrian and European UNIX Systems Group
- Chair of the Strategic Board of the SCCH (Software Competence Center Hagenberg at JKU Linz)
- Senior Member of the Scientific Advisory Board of the SCCH.
- Achieved many International Software Patents for Research work on a New "Coordination Systems" from USA Patent, European Patent and Oesterreichisches Gebrauchsmuster.

A keynote entitled:

"Blockchain Revolution: New opportunities, Applications and Shaping the Future of Fourth Industrial Revolution -Future Directions"

Prof. Eva Maria Kühn is the Head of Space Based Computing, Vienna University of Technology (TU Wien), Vienna, Austria. She is a graduated engineer of computer sciences (Dipl. Ing.), Ph.D. (Dr. techn.) and Venia Docendi (Univ. Doz.) from the TU Wien. Heinz-Zemanek Research Award for Ph.D. work on "Multi Database Systems". Kurt-Gödel Research Grant from the Austrian Government for a sabbatical at the Indiana Center for Databases at Purdue University, USA. Received the INiTS Award on a "Shared Virtual Space Distribution Manager- SVSDM. She has more than 400 International

publications and innovation awards in the areas of methods and tools for software development, software engineering, coordination languages, software integration, parallel and distributed programming, heterogeneous transaction processing, and space based computing. She is a project coordinator of nationally (FWF, FFG, AT), internationally (EU Commission) funded research projects, and projects with industry. She achieved many International software patents for research work on a new "Coordination Systems" from USA Patent Agent, European Patent and Oesterreichisches Gebrauchsmuster. Seven years of management experience as Chief Technological Officer (CTO) of an Austrian Spin-Off company for software development. She has been Nominated among the top 1000 Austrian Managers, Business People, the Highest-Interest-Magazine of the Wirtschaftsblatt (place 14, Category Software). Senior Member of the Governing Board of the Austrian and European UNIX systems user group. Member of the ISO Working Group for the standardization of Prolog. Chair of the Strategic Board of the SCCH (Software Competence Center Hagenberg at JKU Linz). Senior Member of the Scientific Advisory Board of the SCCH. Conference chair, program committee member, organizer and coordinator of many international conferences. Senior Member of the Senate of the Christian Doppler Forschungsgesellschaft (CDG). Senior Member of the Science and Research Council of the Federal State of Salzburg. Her research interest lies in the areas of Software development for concurrent and distributed systems, space based computing, Coordination for embedded systems, Agile, distributed and open software architectures, Peer-to-Peer Systems and Algorithms, Software systems integration, Self-organizing/ Bio-inspired Systems and algorithms, Asynchronous and distributed Replication Strategies, Heterogeneous Transaction models, and Blockchain Application platforms.