



Personal information

Surname(s) / First name(s)

Prof. Dr.-Ing. MD a.D. Schieferdecker, Ina Kathrin

Telephone(s)

+49 151 41 268 423

Email(s)

ina.schieferdecker@tu-berlin.de

Nationality(-ies)

German

Date of birth

Mar 18, 1967

Gender

female

Current Position

Independent Researcher and Honorary Professor, Software-Based Innovation, Technische Universität Berlin, Germany

Online information

Homepage

<https://ischieferdecker.bplaced.net/>

Google Scholar

<https://scholar.google.de/citations?user=-WDSZfEAAAAJ>

ResearchGate

https://www.researchgate.net/profile/Ina_Schieferdecker

LinkedIn

<https://de.linkedin.com/in/ina-schieferdecker-7850841>

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<https://twitter.com/ischieferdecker>

Professional Career

Febr 2021 – present	Honorary Professor on Software-Based Innovations, Technische Universität Berlin https://www.tu-berlin.de/
Dec 2019 – Nov 2023	Chairwoman of the Supervisory Board, Helmholtz Center for Information Security (CISPA) https://cispa.de/
Nov 2019 – Nov 2023	Supervisory Board Member, Karlsruhe Institute of Technology (KIT) https://www.kit.edu/
Jun 2020 – Jun 2023	Representative of the Federal Administration, Federal Agency for Disruptive Innovation (SPRIND) https://www.sprind.org/
Mar 2020 – Jun 2023	Supervisory Board Member, German Research Center for Artificial Intelligence (DFKI) https://www.dfki.de/
Feb 2020 – Jun 2023	Co-Chair, Helmholtz Research Field Information https://www.helmholtz.de/en/research/research-fields/information/
Oct 2019 – Jun 2023	Director-General – Research for Technological Sovereignty and Innovation, Federal Ministry of Education and Research https://bmbf.bund.de/
May 2018 – Sep 2019	Member of the Board for R&D, Technologiestiftung Berlin (TSB) https://www.technologiestiftung-berlin.de/
Sept 2017 – Sep 2019	Co-Founding Director of the Weizenbaum Institute for the Networked Society, the German Internet Institute https://www.weizenbaum-institut.de/
Apr. 2017 – Sept. 2019	Principal Investigator, Einstein Center Digital Future https://www.digital-future.berlin/
Jan 2016 – Sep 2019	Professor on Quality Engineering of Open Distributed Systems, Technische Universität Berlin https://www.tu-berlin.de/

Jan 2015 – Sep 2019	Co-Director of Fraunhofer FOKUS https://www.fokus.fraunhofer.de/
Sept. 2014	Co-Founder of Ingrano Solutions GmbH
May 2011 – Dec 2014	Professor on Model-Driven Engineering and Quality Assurance of Software-Based Systems at Freie Universität Berlin
Jan 2005 – Dec 2013	Head of the Competence Center for Modeling and Testing at Fraunhofer FOKUS
Nov 2003 – May 2011	Professor on Design and Testing of Communication-Based Systems at Technische Universität Berlin
Sep 2000 – Dec 2006	Co-Founder and CEO of Testing Technologies IST GmbH
Jan 1996 – Dec 2005	Head of Competence Center for Testing, Interoperability and Performance at Fraunhofer FOKUS
Oct 1993 – Dec 1995	Researcher at Fraunhofer FOKUS
Sep 1990 – Aug 1991	PhD Researcher at Humboldt-Universität zu Berlin
Sep 1988 – Aug 1990	Undergraduate Researcher at Humboldt-Universität zu Berlin

Other Research Positions

Oct 2018 – Sep 2019	Member of the Panel of Deutscher Umweltpreis
Jun 2018 – Sep 2019	Member of the Panel of Berliner Wissenschaftspreis
Jan 2018 – Sep 2019	Board Member of Fraunhofer Academy
Jan 2018 – Sep 2019	Member of the Specialist Group for Regulatory Issues of Bundesnetzagentur für Elektrizität, Gas, Telekommunikation, Post und Eisenbahnen
Nov 2018 – Sep 2019	Member of the Hightech Forum 2025 (HTF)
Dec 2017 – Sep 2019	Member of the Fraunhofer Committee on the Future for the Agenda 2022
Sep 2017 – Sep 2019	Steering Board Member of the Science Platform Sustainability 2030 (wpn)
Oct 2016 – Sep 2019	Research Member on Flagship Report on the Co-Evolution on Digital Transformation and Transformation for Sustainability at German Advisory Council on Global Change (WBGU)
Apr 2016 – May 2018	Member of the DPAC Scientific Advisory Group of Dependable Platforms for Autonomous Systems and Control, Mälardalen University, Sweden

Several stays 2009 – 2011	Guest Researcher on Behavior Engineering, University of Brisbane, Australia
Oct 2008 – May 2011	Director Integrated Graduate Programme on Human-Centric Communication Cluster (H-C3) at Technische Universität Berlin
Several stays 2004 – 2006	Guest Researcher on Securing Availability by Robust Design, Assessment and Specification (SARDAS), University of Oslo, Norway
Feb 2001	Guest Researcher on Automata-based Test Theory, Centre de recherche informatique de Montreal (CRIM), Montreal, Canada
Apr 1996 – Jun 1996	Guest Researcher on Performance Evaluation of Voice over IP Solutions, International Computer Science Institute (ICSI), Berkeley, USA
Oct 1995 – Oct 2003	Appointed Lecturer on Design and Testing of Telecommunication Systems, Technische Universität Berlin
Jun 1990 – Jul 1990	Guest Researcher on Design and Modelling of Communication Protocols, Charles University of Praha, Department for Computer Science, Praha, Czech
Further Professional Activities	
Oct 2020 – present	Honorary Member of German Testing Board (GTB)
Oct 2003 – Sep 2020	Member of GTB
Oct 2020 – present	Scientific Committee Member of the Heidelberg Laureate Forum (HLF)
Dec 2016 – May 2019	Spokesperson Smart City Network Berlin
Oct 2013 – Sep 2019	Research Committee Member of the Münchner Kreis
Feb 2011 – Mar 2013	Steering Committee Member of the IEEE International Conference on Software Testing and Verification (ICST)
Oct 2010 – Oct 2013	Advisory Board Member of the Simula Research Laboratory, Norway
May 2009 – present	ICT Steering Committee Member of the German Academy of Science and Engineering (acatech)
Dec 2006 – present	Editorial Board Member of the International Journal on Software Tools for Technology Transfer (STTT)
Feb 2003 – Sep 2019	Member of the GI Working Group on Software Test, Analysis and Verification (GI TAV)

May 2001 – present	Member of the Association for Software Quality and Education (ASQF)
Sep 2015 – 2019	ASQF President
May 2009 – Sep 2015	ASQF Vice-President
May 2003 – May 2009	ASQF Advisory Board Member
Feb 2001 – Sep 2006	Expert for the UML Testing Profile (UTP) at OMG
	Initiator and Consortium Head
Dec 1998 – Feb 2014	Expert for the Testing and Test Control Notation (TTCN-3) at ETSI
	Rapporteur for Core Language, for TTCN-3 Runtime Interfaces, and for TTCN-3 Control Interfaces
Apr 1998 – Dec 2004	Expert for Message Sequence Charts (MSC) at ITU-T
	Associate Rapporteur at ITU-T SG 10

Research Awards

Oct 2021	Deutscher Preis für Software-Qualität (DPSQ)
Apr. 2019	Most Influential Paper Award at IEEE ICST for "'Testing Embedded Real-Time Systems with TTCN-3'"
Apr 2016	EUREKA Innovation Award for DIAMONDS on Advanced Model-Based Security Testing
Oct 2012 and Oct 2013	ITEA Exhibition Award for DIAMONDS on Advanced Model-Based Security Testing
Feb 2010	Best Paper Award at IARIA eTeleMed on Test Automation in eHealth
Oct 2009	ITEA Exhibition Award for D-MINT on Model-Based Testing
Oct 2005	ITEA Achievement Award for TT-MEDAL on Advanced Test Methodologies
Oct 2004	Alfried-Krupp-Förderpreis für junge Hochschullehrer
May 2003	Best Paper Award at IFIP TestCom 2003 for Distributed Performance and Load Test Architectures
Nov 1991	Joachim-Tiburtius-Award by Senate of Berlin for Diploma Thesis on Simulation Method for Communication Protocols

Non-Project Grants

Mar 2007 – Feb 2014	Vintage Class, Fraunhofer development program for research executives
Feb 2001	Entrepreneurship Development Program, MIT, Boston, USA
Jul 1993	International Summer School on Temporal Methods in Concurrency at University of Aarhus, Denmark
Aug 1992	NATO International Summer School on Program Design Calculi in Marktoberdorf, Germany
Jan 1990 – Jun 1990	Student Grant for Supplementary Studies at Technische Universität Berlin

Education and training

Sep 1991 – Sep 1993	Technische Universität Berlin, Faculty IV on Electrical Engineering and Computer Science: Dr.-Ing. (like PhD) on <i>Performance-Oriented Specification of Communication Protocols and Verification of Deterministic Bounds of Their QoS Characteristics</i> , Supervisors Prof. Adam Wolisz and Prof. Radu Popescu-Zeletin
Sep 1985 – Aug 1990	Humboldt-Universität zu Berlin, Department of Mathematics: Diplom in Mathematical Computer Science on <i>The Simulation Data Base - an Analysing Tool for System Prototypes of State-Oriented Specifications</i> , Supervisor Prof. Joachim Fischer
Sep 1981 – Aug 1985	Heinrich Hertz-Gymnasium, Berlin-Friedrichshain: Abitur (qualifying for university admission)

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment
European level^()*

English

Russian

French

German

English, Russian, French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
A1	A1	A1		
A1	A1			

^(*)Common European Framework of Reference (CEF) level

Additional information

Married, two children (1991, 1994).

Interested in Volleyball, Scuba Diving, Skiing, Music