Prof. Dr. Dr. h. c. Sahin Albayrak

Sahin Albayrak

DAI-Labor, Technische Universität Berlin
Sekr. TEL 14, Ernst-Reuter-Platz 7,
10587 Berlin, Germany

+49 30 31474001
sahin.albayrak@dai-labor.de
www.dai-labor.de

Current Academic & Industry Positions

Full Professor. Head of Chair Agent Technologies in Business Applications and Telecommunication (AOT), TU Berlin

Chief Executive Director of DAI-Labor (Distributed Artificial Intelligence Laboratory), TU Berlin – The first Distributed Artificial Intelligence Laboratory in Germany. Largest laboratory at TU Berlin with over 100 experts

Chief Executive Director of GT-ARC (German-Turkish Advanced Research Center for ICT) – First computer science institute with locations in both Germany and Turkey

Chairman of Connected Living Association – Largest pre-competitive cross-industry association with over 50 leading companies and research institutes

Founding steering board member at Deutsche Telekom Innovation Laboratories – First major public private partnership (PPP) for R&D in Europe. Now international blueprint for innovation organization

Advisor for German and Turkish ministries. Advisor for senior executives.

Timeline

Professor | Technische Universität Berlin
2003 – Present

Advisor | German & Turkish Ministries, Corporate CEOs
2010 – Present

Chief Executive Director | GT-ARC, Berlin
2012 – Present

Chairman | Connected Living Association, Berlin
2009 – Present

Scientific Head & Executive Director | DAI-Labor, TU Berlin
2000 – Present

Senior researcher | Faculty of Computer Science, TU Berlin
1994 – 2000

Entrepreneurship & Startups

IOLITE – Solutions for Internet of Everything

Curamatik – ICT based solutions for Health

SemperLink – Smart Technologies for Telecom

Awards & Achievements

Founder of the First Public Private Partnerships at the TU Berlin:

- Deutsche Telekom Laboratories (T-Labs)
- Europäische Institut für Innovation und Technologie (EIT)
- European Center for Information and Communication Technologies (EICT)
- Connected Living Innovation Center (CL)

2014 Federal Cross of Merit by the Federal Republic of Germany, for outstanding contributions to German-Turkish cooperation in science

2014 Best Paper Award in 46th Computer Simulation Conference, California, USA

2013 iF Product Design Award for “Home Control Center” of DAI-Labor

2012 Best Paper Award at International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies, St. Maarten

2011 Honorary doctorate, Bahçeşehir University, Istanbul

2009 Winner of “Multi-Agent Programming Contest” with JIAC V of DAI-Labor

2008 Convergators' Award in the category of “Digital Living” for “Smart Personal Assistant (SPA)” developed at DAI-Labor

2008 Best Paper Award at International IFIP Wireless Days Conference, Dubai

2005 Initiation of EICT activities at TU Berlin

2004 Founding member of Deutsche Telekom Laboratories at TU Berlin

2003 Sun Microsystems chair in Agent Technologies in Business

Core Research Competences

Agent-Oriented Technologies
Service Engineering
Semantic Search & Big Data
Smart Cities, Smart Infrastructure, Smart Grid, IoT
Future Internet
Cybersecurity
E-Mobility

Patents

(Selections)
“Method, data processing device and computer network for anomaly detection” EP2051468 B1
“Decentralized energy efficiency through autonomous, self-organizing systems, taking into account heterogeneous energy sources” EP2359451 B1
“Method for the computer-aided determination of a control variable, controller, regulating system and computer program product” US8819250 B2
“Computer-supported method for optimizing energy usage in a local system” EP2359453 B1

Publications

250+ Publications in International Conferences & Journals.
Full list available at www.dai-labor.de/en/about_us/people/sahin.albayrak

Education

Habilitation, Technische Universität Berlin
2002 – “Open Platforms in Development of Distributed Systems and Online Services”
Ph.D., Technische Universität Berlin
1992 – “Cooperative Solution to the Task of Order Enforcement in Production Using Multi-Agent System based on the Blackboard Model”
Dipl-Inform., Technische Universität Berlin
1987 – Computer Science