



Curriculum Vitae Dr Cordelia Schmid



Image: Marcus Gloger | Körber-Stiftung

Name: Cordelia Schmid

Research Priorities: Computer Science, artificial intelligence, pattern recognition, action identification, vision

Cordelia Schmid is a German computer scientist. She considerably advanced the field of artificial intelligence, especially “seeing” machines as well as the recognition of patterns, faces, and actions in images and video.

Academic and Professional Career

- since 2018 Principal Scientist (part time), Google LLC
- since 2004 Research Director, National Institute for Research in Digital Science and Technology (Institut National de Recherche en Informatique et en Automatique) Inria, Grenoble, France
- 2001 Habilitation in Computer Science, Institut National Polytechnique, Grenoble, France
- 1997 - 2004 Research Associate, Inria, Grenoble, France
- 1996 - 1997 Research Associate, Robotics Research Group, Oxford University, Oxford, UK
- 1996 PhD in Computer Science, Institut National Polytechnique, Grenoble, France
- 1993 - 1996 PhD Student in Computer Science
- 1992 Master of Science in Computer Science, Universität (TH) Karlsruhe, Karlsruhe, Germany

Functions in Scientific Societies and Committees

- 2023 Chair, International Conference on Computer Vision (ICCV)

2020	Member, Award Committee, Computer Vision and Pattern Recognition Conference (CVPR), Institute of Electrical and Electronics Engineers (IEEE)
2020	Chair, European Conference on Computer Vision (ECCV)
2017	Member, Award Committee for France, L'Oréal-UNESCO Award for Women in Sciences
2015	Chair, CVPR, IEEE
2015, 2014	Member, Award Committee, Young Researcher Award
2013 - 2018	Editor-in-Chief, International Journal of Computer Vision
2012	Programme Director, ECCV
2005	Programme Director, CVPR, IEEE
2004 - 2012	Co-Editor, International Journal of Computer Vision

Project Coordination, Membership in Collaborative Research Projects

2016 - 2018	Head, Team „THOTH – Computer vision and machine learning”, Inria, Grenoble, France
2013	Advanced Grant, European Research Council (ERC)
2003 - 2015	Head, Team „LEAR”, Inria, Grenoble, France

Honours and Awarded Memberships

2023	Körber European Science Prize, Körber Foundation, Hamburg, Germany
2022	Fellow, Asia-Pacific Artificial Intelligence Association
2022	Winner, Ego4D Challenge for AV Transcription, ECCV
2022	winner, Epic-Kitchen Action Recognition Challenge, CVPR, IEEE
2021	PAMI Distinguished Researcher Award, IEEE
2021	Winner, REVERIE / Soon Challenge, ICCV
2020	Milner Award, Royal Society, UK
2020	Fellow, European Laboratory for Learning and Intelligent System ELLIS
2020	Winner, Video Pentathlon Challenge
2018	Koenderink Prize, ECCV
2018	Inria-Académie des sciences Grand Prize, Fondation Inria and Académie des sciences, France

since 2017	Member, German National Academy of Science Leopoldina
2017, 2016, 2015	Highly Cited Researcher, Clarivate Analytics, London, UK
2016, 2014 2006	Longuet-Higgins Prize, CVPR, IEEE
2015	Humboldt Research Award, Alexander von Humboldt Foundation, Bonn, Germany
2015	Winner, Competition „VOT-TIR Tracking (Visual Object Tracking – Thermal Imagery)”
2014	Winner, „Action Recognition in Temporally Untrimmed Videos”, Challenge THUMOS, CVPR, IEEE
2012	Fellow, IEEE
1999	Best Conference Paper, International Society for Photogrammetry and Remote Sensing (ISPRS)
1997	Award for the Best PhD-Thesis, Institut National Polytechnique, Grenoble, France
1993 - 1996	Marie Curie Fellowship, European Union and Fellowship, Inria, France

Research Priorities

Cordelia Schmid is a German computer scientist. Central to her research is the development of intelligent and adaptive machines – the study of artificial intelligence. Her ability to teach machines to “see” is held in high regard. For this purpose, it is not enough to equip a robot with a camera or an optical sensor. The machine must preferably be able to analyse the image data and to react meaningfully with its environment. It is vital that the machine not only is able to recognize patterns but also actions when it interacts with humans.

The same applies to digital image processing and the search for images in the rapidly growing databases worldwide. Computer programmes can learn to recognise the content of images and videos. Cordelia Schmid develops applications that can identify actors and storylines in movies. The freer of errors these applications are, the better the gigantic amounts of images of modern media society can be managed and meaningfully used.