

CV Hedvig Kjellström

1 Education

1.1 Degrees

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|--|-------------|------|
| Habilitation Computer Science (Docent datalogi) | KTH, SWEDEN | 2009 |
| PhD Computer Science (Teknologie doktor datalogi) | KTH, SWEDEN | 2001 |
| MSc Engineering Physics (Civilingenjör teknisk fysik) | KTH, SWEDEN | 1997 |

1.2 Pre- and Post-Doctoral Visits

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| Visiting Scientist | MIT, MA, USA | March, October 2006 |
| Visiting Researcher | BROWN UNIVERSITY, RI, USA | October 2000 – January 2001 |
| Visiting Researcher | XEROX PARC, CA, USA | March – October 1999 |

2 Positions

2.1 Present Positions

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|---|---|------------------|
| Professor | KTH, SWEDEN | since April 2016 |
| Member of the Faculty Board of the School of Electrical Engineering and Computer Science since 2024 | | |
| Head (prefekt) of the Department of Intelligent Systems 2018–2020 | | |
| Head (avdelningschef) of the Division of Robotics, Perception and Learning 2015–2019 | | |
| Took part in creating the Engineering Mathematics Bachelor program and the Biostatistics and Data Science Master program. | | |
| Affiliated Researcher | MAX PLANCK INST. INTELLIGENT SYSTEMS, GERMANY | since April 2016 |
| Collaborations are currently focused on animal pose and shape estimation. | | |

2.2 Previous Positions

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| Guest Professor | SWEDISH U. AGRICULTURAL SCIENCES, SWEDEN | February 2023 – March 2025 |
| Driving force behind a strong interdisciplinary research collaboration in AI for Animals. | | |
| Principal AI Scientist | SILO AI, SWEDEN | November 2020 – August 2024 |
| Helped building the Stockholm office, the first office outside Finland in this now international company. | | |
| Associate Professor | KTH, SWEDEN | October 2009 – March 2016 |
| Took part in creating the Machine Learning Master program. | | |
| Researcher | KTH, SWEDEN | January 2007 – September 2009 |
| Scientist | SWEDISH DEFENCE RESEARCH AGENCY, SWEDEN | January 2002 – December 2006 |
| Researcher | KTH, SWEDEN | April 2004 – May 2006 |
| Doctoral Student | KTH, SWEDEN | August 1997 – December 2001 |
| Teaching Assistant | KTH, SWEDEN | October 1994 – December 2001 |

3 Publications

Google Scholar profile scholar.google.com/citations?user=wr3CtKAAAAAJ

h-index as of September 2025 45

4 Prizes and Awards

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| ICMI Best Paper Award | 2020 |
| ICRA Best Reviewer Award | 2015 |
| Koenderink Prize for Fundamental Contributions in Computer Vision | 2010 |

5 Ongoing Projects

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| Project grant SWEDISH RESEARCH COUNCIL www.vr.se | 2024–2027 |
| PI, funds one PhD student, total 4.1 MSEK. | |
| PhD student and postdoc grants WASP wasp-sweden.org | 2023–2029 |
| PI, funds three PhD students and one postdoc, total 17 MSEK. | |
| Data Science Multidisciplinary Collaboration Program SERC e-science.se | 2023–2026 |
| Coordinator, total 50 MSEK, my part funds one postdoc, 3.2 MSEK. | |

6 Supervision of Graduate Students and Postdoctoral Fellows

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| Postdoctoral fellows 2 current and 4 previous postdoctoral fellows, KTH, SWEDEN | since 2013 |
| PhD students 8 ongoing (of which 4 as head supervisor) and 13 graduated (of which 7 as head supervisor) | |
| PhD students, KTH, SWEDEN | since 2007 |
| MSc students 3 ongoing and 100+ graduated MSc students, KTH, SWEDEN | since 2007 |

7 Organization of Scientific Meetings

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|---|------|
| Program Chair IEEE Conference on Computer Vision and Pattern Recognition | 2025 |
| Workshops and Tutorials Chair IEEE Int. Conference on Automatic Face and Gesture Recognition | 2024 |
| Publicity Chair IAPR International Conference on Pattern Recognition | 2014 |
| General Chair Swedish Symposium on Image Analysis | 2012 |

8 Reviewing Activities

Review of grant applications

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|---|------------|
| Chair, Swedish Research Council, NT-P panel | 2024 |
| Remote Referee, ERC Consolidator Grant, PE6 panel | 2019 |
| Review Panel Member, Swedish Research Council, NT-14/NT-P panel | 2018, 2022 |

Area Chair of conferences

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|---|------------------------|
| IEEE Winter Conference on Applications of Computer Vision | 2023, 2024 |
| British Machine Vision Conference | 2019, 2021, 2022 |
| European Conference on Computer Vision | 2018, 2024 |
| IEEE International Conference on Computer Vision | 2017, 2021, 2023 |
| IEEE Conference on Computer Vision and Pattern Recognition | 2016, 2020, 2022, 2026 |
| Robotics Science and Systems | 2016 |
| IEEE International Conference on Robotics and Automation | 2014, 2018 |
| IEEE/RSJ International Conference on Intelligent Robots and Systems | 2014 |

Editor of journals

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|---|------------|
| Computer Vision and Image Understanding (Editor-in-Chief) | since 2023 |
| PLOS ONE (Associate Editor) | 2019–2020 |
| IEEE Transactions on Pattern Analysis and Machine Intelligence (Associate Editor) | 2016–2024 |
| IEEE Robotics and Automation Letters (Associate Editor) | 2015–2019 |

Scientific Advisory Board member

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| TEKNISKA MUSEET (SCIENCE MUSEUM), STOCKHOLM, SWEDEN | since 2020 |
| CLUSTER OF EXCELLENCE MACHINE LEARNING, TÜBINGEN, GERMANY | since 2019 |
| L3S RESEARCH CENTER, HANNOVER, GERMANY | 2017–2025 |

PhD committee member and faculty opponent in thesis defenses in France, Italy, Sweden, Switzerland and the UK in Computer Vision, Animal Science, Robotics, and Machine Learning since 2009

Reviewer for the main international journals and conferences in Computer Vision, Animal Science, Robotics, and Machine Learning since 2001