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Forskning

Vänligen se beskrivningen i den engelska versionen av den här sidan.

Kvalifikationer

Datavetenskap, Docent, Lunds Tekniska Högskola
Tilldelningsdatum: 2019 juni 4

Datavetenskap, Tekn dr, Human-Robot Interaction and Mapping with a Service Robot: Human Augmented Mapping, KTH Royal Institute of Technology
Tilldelningsdatum: 2009 jan. 27

Anställning

Projektledare, Studierektor för forskarutbildningen, Prefekt
Institutionen för datavetenskap
Lunds universitet
Lund, Sverige
2009 maj 1 → present

Doktorand

KTH Royal Institute of Technology
Stockholm SE-100 44, Sverige
2004 jan. 1 → 2009 jan. 31

Senaste forskningsoutput

Ah, Alright, Okay! Communicating Understanding in Conversational Product Search
Papenmeier, A. & Topp, E. A., 2023 juli, *Proceedings of the 5th International Conference on Conversational User Interfaces: CUI '23*. Association for Computing Machinery (ACM), s. 1-5 5 s. 49

Chaos to Control: Human Assisted Scene Inspection

Jena, A. & Topp, E. A., 2023 mars 13, *HRI 2023 - Companion of the ACM/IEEE International Conference on Human-Robot Interaction*. IEEE Computer Society, s. 491-494 4 s. (ACM/IEEE International Conference on Human-Robot Interaction).

A Shared Pose Regression Network for Pose Estimation of Objects from RGB Images

Hein Bengtson, S., Åström, H., Moeslund, T. B., Topp, E. A. & Krueger, V., 2022 okt., *IEEE/RSJ International Conference on Signal Image Technology & Internet Based Systems (SITIS)*. IEEE - Institute of Electrical and Electronics Engineers Inc., 8 s.

Variable Impedance Skill Learning for Contact-Rich Manipulation

Yang, Q., Dürr, A., Topp, E. A., Stork, J. & Stoyanov, T., 2022 juni 30, I: *IEEE Robotics and Automation Letters*. 7, 3, s. 8391-8398 8 s.

WARA-PS: A Research Arena for Public Safety Demonstrations and Autonomous Collaborative Rescue Robotics Experimentation

Andersson, O., Doherty, P., Lager, M., Lindh, J-O., Persson, L., Topp, E. A., Tordenlid, J. & Wahlberg, B., 2021 nov., I: Autonomous Intelligent Systems. 1, 9.

Pose Estimation from RGB Images of Highly Symmetric Objects using a Novel Multi-Pose Loss and Differential Rendering

Hein Bengtson, S., Åström, H., Moeslund, T. B., Topp, E. A. & Krueger, V., 2021 sep., *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*. 2021 uppl. IEEE - Institute of Electrical and Electronics Engineers Inc.

Realeasy: Real-Time capable Simulation to Reality Domain Adaptation

Dürr, A., Neric, L., Krueger, V. & Topp, E. A., 2021, *2021 IEEE 17th International Conference on Automation Science and Engineering (CASE)*. IEEE - Institute of Electrical and Electronics Engineers Inc., s. 2009-2016 8 s.

VR Teleoperation to support a GPS-free Positioning System in a Marine Environment

Lager, M., Topp, E. A. & Malec, J., 2020 dec. 15, I: International Journal on Marine Navigation and Safety of Sea Transportation. 14, 4, s. 789-798 10 s.

Robust Terrain-Aided Navigation through Sensor Fusion

Lager, M., Topp, E. A. & Malec, J., 2020 juli 6, *23rd International Conference on Information Fusion Virtual Conference*. IEEE - Institute of Electrical and Electronics Engineers Inc., 8 s.

Remote Supervision of an Autonomous Surface Vehicle using Virtual Reality

Lager, M. & Topp, E. A., 2019 sep. 10, *10th IFAC Symposium on Intelligent Autonomous Vehicles IAV 2019: Gdańsk, Poland, 3–5 July 2019*. Elsevier, (IFAC-PapersOnLine; vol. 52, nr. 8).

Aktiviteter

NAC Member meeting 2023 (NAC week)

Jonas Wisbrant (organisatör), Kalle Åström (ordförande), Ola Gustafsson (talare), Elin A. Topp (Roll ej angiven), Eric Warrant (talare), Marianne Gullberg (Roll ej angiven) & Birger Johansson (Roll ej angiven)
2023 okt. 25

HRI research at RSS & RobotLab LTH: When robots need skills and "autonomous" systems need support

Elin A. Topp (Talare)
2023 sep. 1

ACM/IEEE International Conference on Human-Robot Interaction, 2023

Elin A. Topp (organisatör)
2023 jan. → 2023 mars

IEEE / ACM Conference on Human Robot Interaction

Elin Anna Topp (organisatör)
2022 aug. → 2023 apr.

COMPUTE Research School Steering Group

Elin Anna Topp (medlem)
2021 juli → ...

ACM/IEEE Conference on Human-Robot Interaction (HRI), 2020

Elin Anna Topp (organisatör)
2020 mars 23 → 2020 mars 26

WASP Graduate School Management group

Elin Anna Topp (medlem)

2020 jan. → ...

ACM/IEEE Conference on Human Robot Interaction (HRI), 2019

Elin Anna Topp (organisatör)

2019 mars 11 → 2019 mars 14

WASP-AI Graduate School Management Group

Elin Anna Topp (medlem)

2019 jan. → ...

Science and Innovation Talks: Cognitive Robotics

Birger Johansson (Inbjuden talare) & Elin Anna Topp (Inbjuden talare)

2018 dec. 4

Artificiell Intelligens är faktiskt bra!

Elin Anna Topp (Inbjuden talare)

2018 dec. 3

Skills for Industrial Robotic Assembly: Representation, Acquisition, Reuse and Adaptation

Elin Anna Topp (Inbjuden talare)

2018 okt. 5

AI for Multimodal Human Robot InteractionWorkshop within the Federated AI Meeting 2018 in Stockholm

Elin Anna Topp (organisatör), Laura M. Hiatt (organisatör), Kristiina Jokinen (organisatör) & Gérard Bailly (organisatör)

2018 juli 14 → 2018 juli 15

IdeenLab 4.0

Elin Anna Topp (granskare)

2018 juni → 2019 feb.

AAAI Fall Symposium Series 2017

Elin Anna Topp (ordförande) & Laura M. Hiatt (ordförande)

2017 nov. 9 → 2017 nov. 11

Robotics @ Lund University - Helping Robots to understand (a bit) of our world

Elin Anna Topp (Inbjuden talare)

2017 feb. 2

Panel debate on Semantic Computing and Robotic Computing

Elin Anna Topp (Talare), Daniela D'Auria (Talare) & David Ostrowski (Talare)

2017 jan. 31

Intl' Conference on Human Agent Interaction

Elin Anna Topp (medlem av programkommitté)

2017

Robotics@Lund University

Elin Anna Topp (organisatör)

2015 dec. 1

IEEE Robotics and Automation Society, Sweden Chapter

Elin Anna Topp (medlem)

2014 mars → ...

