

Maria Kihl
Professor I Internet-system
Institutionen för elektro- och informationsteknik
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Forskning

My main research area is mission-critical networked systems. I have a background in teletraffic theory, and I have collaborated with the Dept. of Automatic Control since many years in this area. Currently, my main research is focused on Industry 4.0, Control over the Cloud, and Compute architectures for 5G and beyond.

Forskningsmedel

NextG2Com: Nästa generations kommunikations- och beräkningsinfrastrukturer och applikationer

Kihl, M. (PI)

Swedish Government Agency for Innovation Systems (Vinnova): 36 000 000,00 kr

2023/11/01 → 2028/12/31

Projekt

6G-FOX: 6G-FOX

Landfeldt, B. (PI), Tärneberg, W. (CoPI), Kihl, M. (Forskare), Tufvesson, F. (Forskare) & Alce, G. (Forskare)

2024/11/01 → 2027/08/31

ELLIIT Project B05: 6G wireless, sub-project: vehicular communications

Kihl, M. (PI), Tärneberg, W. (Forskare) & Chamideh, S. (Forskare)

2021/01/01 → 2025/12/31

Broadband Communications: TRAMMS

Höst, S. (Forskare), Andersson, J. A. (Forskare), Ödling, P. (Forskare) & Kihl, M. (Forskare)

2007/01/01 → 2009/12/31

ELLIIT Project A16: Control-as-a-Service: Resilient feedback control systems for Industry 4.0 based on Commercial-Off-The-Shelf components and cloud platforms

Kihl, M. (PI), Tärneberg, W. (Forskare), Cuthbert, E. (Forskare) & Fitzgerald, E. (Forskare)

2021/01/01 → 2022/12/31

Sec4Factory: Cybersäkerhet för nästa generations fabrik (SEC4FACTORY)

Gehrmann, C. (PI), Kihl, M. (CoPI), Hell, M. (Col), Fitzgerald, E. (Forskare), Toorani, M. (Forskare), Fitzgerald, E. (Forskare), Tärneberg, W. (Forskare) & Akbarian, F. (Forskare)

Stiftelsen för Strategisk Forskning, SSF

2018/04/01 → 2024/12/31

E! Celtic-Plus 5G PERFECTA

Kihl, M. (PI), Fitzgerald, E. (Forskare) & Tärneberg, W. (Forskare)

Swedish Government Agency for Innovation Systems (Vinnova)

2018/08/27 → 2020/12/31

EIT_EFRAIM Eco system for future media distribution

Aurelius, A. (Forskare), Du, M. (Forskare), Larsson, R. (Forskare) & Kihl, M. (Forskare)

2012/01/01 → 2014/12/31

EIT_ELLIIT:CVAN Cross-Layer Design of VANETs for Traffic Safety

Abbas, T. (Forskare), Tufvesson, F. (Forskare), Kihl, M. (PI) & Bür, K. (PI)

2010/01/01 → 2015/12/31

EIT_IPNQSIS IP Network Monitoring for Quality of Service Intelligent Support

Aurelius, A. (Forskare), Höst, S. (Forskare), Andersson, J. A. (Forskare) & Kihl, M. (Forskare)
1900/01/01 → 2016/12/31

EIT_NOTTS Next generation over-the-top multimedia services

Larsson, R. (Forskare) & Kihl, M. (Forskare)
2013/01/01 → 2015/12/31

EIT_VR CLOUD Cloud Control

Papadopoulos, A. V. (Forskare), Robertsson, A. (Forskare), Åkesson, J. (Forskare), Årzén, K.-E. (Forskare), Maggio, M. (Forskare), Dellkrantz, M. (Forskare), Tärneberg, W. (Forskare), Li, Z. (Forskare), Dürango, J. (Forskare) & Kihl, M. (Forskare)
2013/01/01 → 2016/12/31

EFRAIM: Ekosystem för framtidens mediadistribution

Kihl, M. (PI)
Swedish Government Agency for Innovation Systems (Vinnova)
2012/09/01 → 2014/12/31

ELLIIT LU P01: WP6 Vehicular communication

Tufvesson, F. (PI), Nilsson, M. (Forskarstuderande), Nelson, C. (Forskarstuderande), Kihl, M. (Forskare), Vlastaras, D. (Forskarstuderande), Gustafson, C. (Forskare), Abbas, T. (Forskarstuderande), Chen, J. (Forskarstuderande), Tärneberg, W. (Forskare) & Chamideh, S. (Forskare)

Sentio: Integrated Sensors and Adaptive Technology for Sustainable Products and Manufacturing

Mikkelsen, A. (PI), Alm, A.-K. (Projektkoordinator), Windmark, C. (CoPI), Bushlya, V. (CoPI), Sandsten, M. (CoPI), Lenrick, F. (CoPI), Maximov, I. (CoPI), Kihl, M. (CoPI), Burke, A. (CoPI), Gutnichenko, O. (CoPI) & Behmanesh, B. (CoPI)
Swedish Government Agency for Innovation Systems (Vinnova)
2023/11/01 → 2028/12/31

Celtic Next IMMINECE: Intelligent Management of next generation Mobile Networks and services (IMMINECE)

Kihl, M. (Forskare), Tärneberg, W. (Forskare), Fitzgerald, E. (Forskare), Bür, K. (Forskare) & Peng, H. (Forskare)
Swedish Government Agency for Innovation Systems (Vinnova)
2021/07/15 → 2023/12/31

IPNQSIS: IP Network Monitoring for Quality of Service Intelligent Support

Kihl, M. (PI), Bür, K. (Forskare), Aurelius, A. (Forskare) & Andersson, J. A. (Forskare)
Swedish Government Agency for Innovation Systems (Vinnova)
2010/12/12 → 2013/01/31

LCCC

Holmqvist, A. (Forskare), Andersson, N. (Forskare), Cervin, A. (Forskare), Mannesson, A. (Forskare), Gattami, A. (Forskare), Ghulchak, A. (Forskare), Papadopoulos, A. V. (Forskare), Rantzer, A. (Forskare), Robertsson, A. (Forskare), Sootla, A. (Forskare), THEORIN, A. (Forskare), Bernhardsson, B. (Forskare), Olofsson, B. (Forskare), Wittenmark, B. (Forskare), Grussler, C. (Forskare), Johnsson, C. (Forskare), MADJIDIAN, D. (Forskare), Johannesson, E. (Forskare), Magnusson, F. (Forskare), Ståhl, F. (Forskare), Como, G. (Forskare), Chasparis, G. (Forskare), Turesson, G. (Forskare), Dressler, I. (Forskare), Åkesson, J. (Forskare), Cho, J. H. (Forskare), Årzén, K.-E. (Forskare), Åström, K. J. (Forskare), Sou, K. C. (Forskare), Mårtensson, K. (Forskare), Berntorp, K. (Forskare), Soltesz, K. (Forskare), Lessard, L. (Forskare), Hast, M. (Forskare), Rönn, M. (Forskare), Ansbjerg Kjær, M. (Forskare), Maggio, M. (Forskare), Kristalny, M. (Forskare), Garpinger, O. (Forskare), From, P. J. (Forskare), Larsson, P.-O. (Forskare), Giselsson, P. (Forskare), Johansson, R. (Forskare), Hägglund, T. (Forskare), Vladimerou, V. (Forskare), Romero Segovia, V. (Forskare), Aurelius, A. (Forskare), Cedersjö, G. (Forskare), Bür, K. (Forskare), Dellkrantz, M. (Forskare), Du, M. (Forskare), Amani, P. (Forskare), Larsson, R. (Forskare), Tärneberg, W. (Forskarstuderande), Li, Z. (Forskare), Yin, L. (Forskare), Tufvesson, F. (Forskare), Höst, S. (Forskare), Nilsson, B. (Forskare), Stenström, S. (Forskare), Andersson, J. A. (Forskare), Diehl, S. (Forskare), Dürango, J. (Forskare), Ghazaei Ardakani, M. (Forskare), Forsberg, P.-O. (Forskare), Bengtsson, F. (Forskare), Jörmell, H. (Forskare), Arévalo, C. (Forskare), Führer, C. (Forskare), Andersson, C. (Forskare), Mohammadi, F. (Forskare), Ödling, P. (Forskare), Andersson, M. (Forskare), Kihl, M. (Forskare) & Tunestål, P. (Forskare)

2008/07/01 → 2018/06/30

NextG2Com: Nästa generations kommunikations- och beräkningsinfrastrukturer och applikationer (NextG2Com)

Kihl, M. (PI), Runeson, P. (CoPI), Schuber, P. (Projektkoordinator), Tufvesson, F. (Forskare), Edfors, O. (Forskare), Krueger, V. (Forskare), Söderberg, E. (Forskare), Aminifar, A. (Forskare), Johansson, A. (Forskare), Cai, X. (Forskare), Liu, L. (Forskare), Lau, B. K. (Forskare), Stenmark, M. (Forskare), Topp, E. A. (Forskare), Gehrmann, C. (Forskare), Engström, E. (Forskare), Borg, M. (Forskare), Tärneberg, W. (Forskare), Johnsson, C. (Forskare), Willhammar, S. (Forskare), Li, X. (Forskare), Li, J. (Forskarstuderande), Xu, Y. (Forskarstuderande), Al-Ameri, A. (Forskarstuderande), Khosravi, H. (Forskarstuderande), Nelson, C. (Forskarstuderande), Gupta, R. (Forskarstuderande), Wagner, M. (Forskarstuderande), Heander, L. (Forskarstuderande), Kristoffersson Lind, S. (Forskarstuderande), Rydenfält, C. (Forskare), Yaman, I. (Forskarstuderande), Abtahi Fahliani, A. (Forskare), Sanchez, J. (Forskarstuderande), Song, Q. (Forskarstuderande), Ertürk, E. (Forskarstuderande), Jena, A. (Forskarstuderande), Orucevic-Alagic, A. (Forskare), Hagatulah, N. (Forskarstuderande), Ismail, H. (Forskarstuderande), Palesetti, P. (Forskarstuderande), Bergman, E. (Forskarstuderande) & Bexell, A. (Forskarstuderande)

Swedish Government Agency for Innovation Systems (Vinnova)

2024/01/01 → 2028/12/31

R2D2: Road to media-aware user-Dependent self-aDaptive Networks

Ödling, P. (Forskare) & Kihl, M. (Forskare)

Swedish Government Agency for Innovation Systems (Vinnova)

2009/11/11 → 2012/11/30