

An automated configuration framework for TSN networks

Houtan, Bahar; Bergström, Albert; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2021 22nd IEEE International Conference on Industrial Technology (ICIT) : proceedings 2021 / p. 771-778 <https://doi.org/10.1109/ICIT46573.2021.9453628>

AVB-aware routing and scheduling for critical traffic in time-sensitive networks with preemption

Berisa, Aldin; Zhao, Luxi; Craciunas, Silviu S.; Ashjaei, Mohammad; Mubeen, Saad; **Daneshtalab, Masoud**; Sjödin, Mikael RTNS '22: Proceedings of the 30th International Conference on Real-Time Networks and Systems 2022 / p. 207-218 <https://doi.org/10.1145/3534879.3534926>

Comparative evaluation of various generations of Controller Area Network based on timing analysis

Berisa, Aldin; Panjevic, Adis; Kovac, Imran; Lyngbäck, Hans; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) 2023 / p. 1-8 <https://doi.org/10.1109/ETFA54631.2023.10275549>

A comprehensive systematic review of integration of time sensitive networking and 5G communication

Satka, Zenepe; Ashjaei, Mohammad; Fotouhi, Hossein; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad Journal of Systems Architecture 2023 / art. 102852, 22 p. : ill <https://doi.org/10.1016/j.sysarc.2023.102852>

Developing a translation technique for converged TSN-5G communication

Satka, Zenepe; Pantzar, David; Magnusson, Alexander; Ashjaei, Mohammad; Fotouhi, Hossein; Sjödin, Mikael; **Daneshtalab, Masoud**; **Mubeen, Saad** Communication in Automation : 18th IEEE International Workshop on Factory Communication Systems 2022 : WFCS 2022 2022 / 8 p <https://doi.org/10.1109/WFCS53837.2022.9779191>

End-to-end Timing Model Extraction from TSN-Aware Distributed Vehicle Software

Houtan, Bahar; Aybek, Mehmet Onur; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 48th Euromicro Conference on Software Engineering and Advanced Applications : SEAA 2022 : proceedings 2022 / p. 366-369 <https://doi.org/10.1109/SEAA56994.2022.00064>

End-to-end timing modeling and analysis of TSN in component-based vehicular software

Houtan, Bahar; Aybek, Mehmet Onur; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Lundbäck, John; Mubeen, Saad 2023 IEEE 26th International Symposium on Real-Time Distributed Computing (ISORC) 2023 / p. 126-135 <https://doi.org/10.1109/ISORC58943.2023.00026>

Guest editorial : Special issue on parallel, distributed, and network-based processing in next-generation embedded systems

Mubeen, Saad; Lo Bello, Lucia; **Daneshtalab, Masoud**; Saponara, Sergio Journal of Systems Architecture : the EUROMICRO Journal 2021 / art. 102159 <https://doi.org/10.1016/j.sysarc.2021.102159>

Investigating and analyzing CAN-to-TSN gateway forwarding techniques

Berisa, Aldin; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2023 IEEE 26th International Symposium on Real-Time Distributed Computing : ISORC 2023 : Nashville, Tennessee, USA, 23-25 May 2023 : proceedings 2023 / p. 136-145 <https://doi.org/10.1109/ISORC58943.2023.00026>

QoS-MAN : a novel QoS mapping algorithm for TSN-5G flows

Satka, Zenepe; Ashjaei, Mohammad; Fotouhi, Hossein; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2022 IEEE 28th International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) 2022 / p. 220-227 <https://doi.org/10.1109/RTCSA55878.2022.00030>

Schedulability analysis of best-effort traffic in TSN networks

Houtan, Bahar; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Afshar, Sara; Mubeen, Saad 26th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA) 2021 / 8 l <https://doi.org/10.1109/ETFA45728.2021.9613511>

Supporting end-to-end data propagation delay analysis for TSN-based distributed vehicular embedded systems

Houtan, Bahar; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad Journal of Systems Architecture 2023 / art. 102911 <https://doi.org/10.1016/j.sysarc.2023.102911>

Synthesising schedules to improve QoS of best-effort traffic in TSN networks

Houtan, Bahar; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad RTNS'2021 : 29th International Conference on Real-Time Networks and Systems 2021 / p. 68-77 <https://doi.org/10.1145/3453417.3453423>

Time-Sensitive Networking in automotive embedded systems : state of the art and research opportunities

Ashjaei, Mohammad; Bello, Lucia Lo; **Daneshtalab, Masoud**; Patti, Gaetano; Saponara, Sergio; Mubeen, Saad Journal of Systems Architecture : the EUROMICRO Journal 2021 <https://doi.org/10.1016/j.sysarc.2021.102137>