THE POOL OF PRIMARY STUDIES

Authors	Title
Khoshnevisan M., Joseph V., Gupta P., Meshkati F., Prakash R., Tinnakornsrisuphap P.	5G Industrial Networks With CoMP for URLLC and Time Sensitive Network Architecture
Godor I., Luvisotto M., Ruffini S., Wang K., Patel D., Sachs J., Dobrijevic O., Venmani D.P., Moult O.L., Costa-Requena J., Poutanen A., Marshall C., Farkas J.	A Look Inside 5G Standards to Support Time Synchronization for Smart Manufacturing
D. King and A. Farrel	A PCE-Based Framework for Future Internet Deterministic and Time-Sensitive Networks
Martenvormfelde L., Neumann A., Wisniewski L., Jasperneite J.	A Simulation Model for Integrating 5G into Time Sensitive Networking as a Transparent Bridge
J. Zou; S. Adrian Sasu; M. Lawin; A. Dochhan; J. -P. Elbers; M. Eiselt	Advanced optical access technologies for next-generation (5G) mobile networks [Invited]
Gebert J., Wich A.	Alternating transmission of packets in dual connectivity for periodic deterministic communication utilising survival time
Math S., Zhang L., Kim S., Ryoo I.	An Intelligent Real-Time Traffic Control Based on Mobile Edge Computing for Individual Private Environment
Yang M., Lim S., Oh S.-M., Shin J.	An Uplink Transmission Scheme for TSN Service in 5G Industrial IoT
Larrañaga A., Lucas-Estañ M.C., Martinez I., Val I., Gozalvez J.	Analysis of 5G-TSN Integration to Support Industry 4.0
Ginthor D., Von Hoyningen-Huene J., Guillaume R., Schotten H.	Analysis of multi-user scheduling in a TSN-enabled 5G system for industrial applications
Schüngel M., Dietrich S., Ginthör D., Chen S.-P., Kuhn M.	Analysis of Time Synchronization for Converged Wired and Wireless Networks
Ohms J., Bohm M., Wermser D.	Concept of a TSN to Real-Time Wireless Gateway in the Context of 5G URLLC
Liu Y., Zhou Y., Yuan J., Liu L.	Delay Aware Flow Scheduling for Time Sensitive Fronthaul Networks in Centralized Radio Access Network
Cavalcanti D., Perez-Ramirez J., Rashid M.M., Fang J., Galeev M., Stanton K.B.	Extending Accurate Time Distribution and Timeliness Capabilities over the Air to Enable Future Wireless Industrial Automation Systems
Ginthör D., Guillaume R., Von Hoyningen-Huene J., Schüngel M., Schotten H.D.	End-to-end Optimized Joint Scheduling of Converged Wireless and Wired Time-Sensitive Networks
Chettri L., Bera R.	Industry 4.0: Communication technologies, challenges and research perspective towards 5G systems
Gundall M., Huber C., Rost P., Halfmann R., Schotten H.D.	Integration of 5G with TSN as Prerequisite for a Highly Flexible Future Industrial Automation: Time Synchronization based on IEEE 802.1AS

D. Wang; T. Sun	Leveraging 5G TSN in V2X Communication for Cloud Vehicle
J. Zou, S. A. Sasu, J. Messenger and J. Elbers	Options for time-sensitive networking for 5G fronthaul
C. Mannweiler; B. Gajic; P. Rost; R. S. Ganesan; C. Markwart; R. Halfmann; J. Gebert; A. Wich	Reliable and Deterministic Mobile Communications for Industry 4.0: Key Challenges and Solutions for the Integration of the 3GPP 5G System with IEEE
Abreu R.B., Pocovi G., Jacobsen T.H., Centenaro M., Pedersen K.I., Kolding T.E.	Scheduling Enhancements and Performance Evaluation of Downlink 5G Time-Sensitive Communications
Schüngel M., Dietrich S., Ginthör D., Chen S.-P., Kuhn M.	Single Message Distribution of Timing Information for Time Synchronization in Converged Wired and Wireless Networks
Y. Li; D. Wang; T. Sun; X. Duan; L. Lu	Solutions for Variant Manufacturing Factory Scenarios Based on 5G Edge Features
Bhattacharjee S., Schmidt R., Katsalis K., Chang C.-Y., Bauschert T., Nikaein N.	Time-Sensitive Networking for 5G Fronthaul Networks
T. Striffler; N. Michailow; M. Bahr	Time-Sensitive Networking in 5th Generation Cellular Networks - Current State and Open Topics
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Ray J.K., Biswas P., Bera R., Sil S., Alfred Q.M.	TSN enabled 5G non public network for smart systems
E. Genc; L. F. Del Carpio	Wi-Fi QoS Enhancements for Downlink Operations in Industrial Automation Using TSN
J. Prados-Garzon; T. Taleb	Asynchronous Time-Sensitive Networking for 5G Backhauling
F. Hamidi-Sepehr; M. Sajadieh; S. Panteleev; T. Islam; I. Karls; D. Chatterjee; J. Ansari	5G urLLC: Evolution of High-Performance Wireless Networking for Industrial Automation
S. Bhattacharjee; K. Katsalis; O. Arouk; R. Schmidt; T. Wang; X. An; T. Bauschert; N. Nikaein	Network Slicing for TSN-Based Transport Networks
Shibata N., Zhu P., Nishimura K., Yoshida Y., Hayashi K., Hirota M., Harada R., Honda K., Kaneko S., Terada J., Kitayama K.-I.	First Demonstration of Autonomous TSN-based Beyond-Best-Effort Networking for 5G NR Fronthauls and 1,000+ Massive IoT Traffic
Aamir Mahmood, Muhammad Ikram Ashraf, Mikael Gidlund, Johan Torsner, and Joachim Sachs	Time Synchronization in 5G Wireless Edge: Requirements and Solutions for Critical MTC
János Farkas, Balázs Varga, György Miklós, Joachim Sachs	5G-TSN integration for industrial automation
M. Schüngel, S. Dietrich, L. Leurs, D. Ginthör, S. -P. Chen and M. Kuhn	Advanced Grandmaster Selection Method for Converged Wired and Wireless Networks
H. Zhang, N. Lu, W. Xie and P. Li	Analysis of the Use Cases and Technical Enhancements of TSN

O. Seijo, I. Val, M. Luvisotto and Z. Pang	Clock Synchronization for Wireless Time-Sensitive Networking
F. Song, L. Li, I. You and H. Zhang	Enabling Heterogeneous Deterministic Networks with Smart Collaborative Theory
Haochuan Shi, Adnan Aijaz, Nan Jiang	Evaluating the Performance of Over-the-Air Time Synchronization for 5G and TSN Integration
M. Schüngel, S. Dietrich, D. Ginthör, S. -P. Chen and M. Kuhn	Heterogeneous Synchronization in Converged Wired and Wireless Time-Sensitive Networks
J. Prados-Garzon, T. Taleb and M. Bagaa	Optimization of Flow Allocation in Asynchronous Deterministic 5G Transport Networks by Leveraging Data Analytics,
D. Ginthör, R. Guillaume, M. Schüngel and H. D. Schotten,	Robust End-to-End Schedules for Wireless Time-Sensitive Networks under Correlated Large-scale Fading
T. Striffler and H. D. Schotten	The 5G Transparent Clock: Synchronization Errors in Integrated 5G-TSN Industrial Network
N. Shibata et al.	Time Sensitive Networking for 5G NR Fronthauls and Massive Iot Traffic
J. Song, M. Kubomi, J. Zhao and D. Takita	Time synchronization performance analysis considering the frequency offset inside 5G-TSN network
5GSmart project white papers	5G E2E Technology To Support Verticals URLLC Requirements
Dave Cavalcanti (Intel Corporation)	Wireless TSN – Definitions, Use Cases & Standards Roadmap
5G-ACIA White Paper	Integration of 5G with Time-Sensitive Networking for Industrial Communications
Gabriel Brown	Ultra-Reliable Low-Latency 5G for Industrial Automation
Comcores White Paper	Delivering timing accuracy in 5G networks
Razvan Petre	Testing Time-Sensitive Networking Over 5G: Time Synchronization (802.1AS)
Christine Boles	Shaping the future of the industrial IoT with TSN-over-5G