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## **Research Areas**

Electrical and Electronics Engineering, Engineering and Technology

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Low complexity nonlinear detection for multiuser hybrid MIMO systems and performance analysis**  
SALMAN M. B., GÜVENSEN G. M., ÇİLOĞLU T.  
Physical Communication, vol.60, 2023 (SCI-Expanded)
- II. **An Adaptive-Iterative Nonlinear Interference Cancellation in Time-Varying Full-Duplex Channels**  
KURT A., SALMAN M. B., SARAÇ U. B., GÜVENSEN G. M.  
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.72, no.2, pp.1862-1878, 2023 (SCI-Expanded)
- III. **An Efficient QAM Detector via Nonlinear Post-Distortion Based on FDE Bank Under PA Impairments**  
SALMAN M. B., GÜVENSEN G. M.  
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.69, no.10, pp.7108-7120, 2021 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Analytical Nonlinear Distortion Characterization for Frequency-Selective Massive MIMO Channels**  
Salman M. B., Björnson E., GÜVENSEN G. M., ÇİLOĞLU T.  
2023 IEEE International Conference on Communications, ICC 2023, Rome, Italy, 28 May - 01 June 2023, vol.2023-May, pp.6535-6540
- II. **An Efficient Iterative SIC for Full-Duplex SC-FDE Radio Under Hardware Impairments**  
KURT A., Salman M. B., Satana H. A., GÜVENSEN G. M.  
IEEE International Conference on Communications (ICC), ELECTR NETWORK, 14 - 23 June 2021
- III. **A Nonlinear Detector for Uplink SC-FDE mm-Wave Hybrid Massive MIMO under Hardware Impairments**  
Salman M. B., GÜVENSEN G. M.  
IEEE International Conference on Communications (ICC), ELECTR NETWORK, 14 - 23 June 2021
- IV. **On the Effects of PA Nonlinearities for Hybrid Beamforming Based Wideband Massive MIMO Systems**  
Salman M. B., GÜVENSEN G. M.  
IEEE International Conference on Communications (IEEE ICC) / Workshop on NOMA for 5G and Beyond, ELECTR

NETWORK, 7 - 11 June 2020

**V. Investigation of Effects of PA Non-linearities on the Fully Digital Massive MIMO Systems**

SALMAN M. B., GÜVENSEN G. M., ÇİLOĞLU T.

28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020

**VI. Gradient controlled improved proportionate affine projection sign algorithm Gradyan kontrollü geliştirilmiş orantili afin izdüşümlü işaret algoritması**

Salman M. B., Çiloğlu T.

26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4

## **Metrics**

Publication: 9

Citation (WoS): 4

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1