

Listă de publicații

1. **A. Sperilă**, A. Iovine, S. Olaru, P. Panciatici, "Network-Realised Model Predictive Control Part II: Distributed Constraint Management," *Automatica* (Q1 AIS 2024 Automation & Control Systems), 2026, 189: 112969, WOS:001744119900001;
2. **A. Sperilă**, A. Iovine, S. Olaru, P. Panciatici, "Network-Realised Model Predictive Control Part I: NRF-Enabled Closed-loop Decomposition," *Automatica* (Q1 AIS 2024 Automation & Control Systems), 2026, 188: 112968, WOS:001741809800001;
3. **A. Sperilă**, S. Olaru, S. Drobot, "Set-based and Dynamical Feedback-augmented Hands-off Control," *IEEE Control Systems Letters*, 2025, vol. 9, pp. 198 -- 203, WOS:001494109100001;
4. Ș. Sabău, **A. Sperilă**, C. Oară, and A. Jadbabaie, "Network Realization Functions for Optimal Distributed Control," *IEEE Transactions on Automatic Control*, 2023, 68(12): 8059 -- 8066, WOS:001122871700086;
5. **A. Sperilă**, C. Oară, B. D. Ciubotaru, and Ș. Sabău, "Distributed Control of Descriptor Networks: A Convex Procedure for Augmented Sparsity," *IEEE Transactions on Automatic Control* (Q1 AIS 2023 Automation & Control Systems), 2023, 68(12): 8067 -- 8074, WOS:001122871700071;
6. B. D. Ciubotaru, **A. Sperilă**, S. Diaconescu, F. Stoican, A. M. Stoica, S. Bennani, "Satellite micro-launcher control: An integrated adaptive-robust and nonlinear approach", *Control Engineering Practice* (Q2 AIS 2022 Automation & Control Systems), 2022, 122: 105072, WOS:000796711000008;
7. **A. Sperilă**, C. Oară, B. D. Ciubotaru, "H-2 Output Feedback Control of Differential-Algebraic Systems", *IEEE Control Systems Letters*, 2022, 6: 542 -- 547, WOS:000668835800008;
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9. S. Tudor, **A. Sperilă**, C. Oară, "Robust stabilization of differential-algebraic systems", *International Journal of Robust and Nonlinear Control* (Q2 AIS 2020 Automation & Control Systems), 2020, 30: 8029 -- 8043, WOS:000571440600001;

10. **A. Sperilă**, A. Iovine, S. Olaru and P. Panciatici, "Grid Phase Synchronization via Distributed Control," 2025 IEEE Kiel PowerTech, 2025, 1 -- 6, WOS:001708896000207;
11. A. Reitu, **A. Sperilă**, B. D. Ciubotaru, "Fault-tolerant Optimal Control Scheme for Satellite Micro-launchers", IFAC-PapersOnLine, 2020, 53(2): 4115 -- 4120, WOS:000652592500664;
12. **A. Sperilă**, B. D. Ciubotaru, C. Oară, "H-2 Control for Differential-Algebraic Systems", 2020 European Control Conference (ECC), 2020, 627 -- 632, WOS:000613138000111;
13. **A. Sperilă**, F. S. Tudor, B. D. Ciubotaru, C. Oară, "H-infinity Control for Differential-Algebraic Systems", IFAC-PapersOnLine, 2020, 53(2): 4285 -- 4290, WOS:000652592500691;
14. S. Diaconescu, **A. Sperilă**, B. D. Ciubotaru, A. M. Stoica, "Space Micro-launcher H-infinity Control Under Parametric Modeling Uncertainties", IFAC-PapersOnLine, 2019, 52(12): 91 -- 96, WOS:000498881800016.

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Semnătura