

Zsafia Lendek

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Adresă: Universitatea Tehnica din Cluj-Napoca, Memorandumului 28, 400114, Cluj-Napoca, România (Muncă)

● EXPERIENȚA PROFESIONALĂ

PROFESOR UNIVERSITAR – UNIVERSITATEA TEHNICA DIN CLUJ-NAPOCA – 2020 – CLUJ-NAPOCA, ROMÂNIA

CONFERENȚIAR UNIVERSITAR – UNIVERSITATEA TEHNICA DIN CLUJ-NAPOCA – 2013 – CLUJ-NAPOCA, ROMÂNIA

ASISTENT UNIVERSITAR – UNIVERSITATEA TEHNICA DIN CLUJ-NAPOCA – 2011 – CLUJ-NAPOCA, ROMÂNIA

POSTDOCTORAND – UNIVERSITE DE VALENCIENNES ET DU HAINAUT CAMBRESIS – 2011 – VALENCIENNES, FRANȚA

POSTDOCTORAND – DELFT UNIVERSITY OF TECHNOLOGY – 2009 – DELFT, ȚĂRILE DE JOS

● EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2019 Cluj-Napoca, România

HABILITARE Universitatea Tehnica din Cluj-Napoca

Domeniu de studiu Tehnologii ale informației și comunicațiilor (TIC)

2009 Delft, Țările de Jos

PH. D. Delft University of Technology

Domeniu de studiu Tehnologii ale informației și comunicațiilor (TIC) | **Nivel CEC** Nivelul 8 CEC

Cluj-Napoca, România

INGINER Universitatea Tehnica din Cluj-Napoca

Domeniu de studiu Tehnologii ale informației și comunicațiilor (TIC)

● ACTIVITATE DIDACTICA

Optimizari

Automatica si Informatica Industriala, an 4

Estimatoare in controlul sistemelor dinamice

Automatica si Informatica Industriala, an 4

● PUBLICAȚII

M. Bernal, A. Sala, Zs. Lendek, T. M. Guerra, Analysis and Synthesis of Nonlinear Control Systems - A Convex Optimisation Approach, Springer Cham, series Studies in Systems, Decision and Control, vol. 408, 978-3-030-90772-3.

Zs. Lendek, T. M. Guerra, R. Babuska, B. De Schutter, Stability Analysis and Nonlinear Observer Design Using Takagi-Sugeno Fuzzy Models, Springer Germany, series Studies in Fuzziness and Soft Computing, vol. 262, 978-3-642-16775-1.

M. Susca, V. Mihaly, Zs. Lendek, I-C. Morarescu, P. Dobra, Controller redesign to minimize uniform quantization errors in uncertain linear systems with fixed hardware constraints. Nonlinear Analysis: Hybrid Systems, vol. 60, no. 101683, 2026

Y. Xia, Zs. Lendek, R.-E. Precup, , R.K. Agarwal, I.J. Rudas, Suction Cup-Type Prescribed Performance Fault-Tolerant Fuzzy Control for Nonlinear Systems Considering Actuator Power . IEEE Transactions on Cybernetics, vol. 56, no. 1, pages 347-356, 2026.

X. Hu, Y. Xia, Zs. Lendek, J. Cao, R.-E. Precup, A novel dynamic prescribed performance fuzzy-neural backstepping control for PMSM under step load. Neural Networks, vol. 190, no. 107627, 2025

X. Lin, Y. Xia, Zs. Lendek, R.-E. Precup, I. Rudas, R.K. Agarwal, Type-2 Fuzzy Single Hidden Layer Recurrent Neural Adaptive Terminal Super-Twisting Control of Robot Joint. IEEE Transactions on Fuzzy Systems, vol. 33, no. 10, pages 3637-3650, 2025

M. Susca, V. Mihaly, Zs. Lendek, I-C. Morarescu, A Passivity Analysis Tool for Linear Clustered Multi-Agent Systems. IEEE Control Systems Letters, vol. 9, pages 739-744, 2025.

Y. Xia, Zs. Lendek, Z. Geng, J. Li, J. Wang, Adaptive Fuzzy Control for Stochastic Nonlinear Systems With Nonmonotonic Prescribed Performance and Unknown Control Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, vol. 55, no. 2, pages 1102-1115, 2025.

B. Yousuf, R. Herzal, Zs. Lendek, and L. Busoniu, Multi-Agent Active Multi-Target Search with Intermittent Measurements. Control Engineering Practice, vol. 153, no. 106094, 2024.

● PROIECTE

HEROES: Control design for optimal estimation using heterogeneous sensors, CNCS - UEFISCDI, project number PN-III-P1-1.1-TE-2019-1956

ECOPACE: Estimation and control of delayed periodic systems: Application to engine optimization, CNCS - UEFISCDI, project number PN-III-P1-1.1-TE-2016-1265

Handling non-smooth effects in control of real robotic systems, CNCS - UEFISCDI, project number PN-II-RU-TE-2014-4-0942

SEMĂNĂTURĂ OLOGRAFĂ REDACTATĂ

