

Rudolf Toth

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| RESEARCH INTERESTS | Main research area includes machine tool vibrations, time delay systems and nonlinear dynamics. |
| EDUCATION | <i>Bachelor of Science</i> , Mechatronic Engineering Budapest University of Technology and Economics 2019 <i>Master of Science</i> , Mechanical Engineering Modelling Budapest University of Technology and Economics 2022 <i>PhD</i> , Mechanical Engineering Budapest University of Technology and Economics 2022- Géza Pattantyús-Ábrahám Doctoral School Department of Applied Mechanics |
| AWARDS | <i>Young Investigator Prize</i> at the 11th European Nonlinear Dynamics Conference 2024 for presentation titled: <i>Bifurcation analysis of digital force control with nonlinear stiffness</i> |
| PUBLICATIONS | R.R. Toth & G. Stepan: Bifurcation scenarios in the hardware-in-the-loop experiments of highly interrupted milling process <i>Nonlinear Dynamics</i> , 111: 22177-22184 (2023) R.R. Toth & G. Stepan: Robot assisted stabilization for flexible workpieces subjected to highly interrupted cutting <i>MM Science Journal</i> (2023) Z. Dombovari, R.R. Toth, A. Iglesias, D. Bachrathy & G. Stepan: Flip-validated milling process in hardware-in-the-loop environment <i>CIRP Annals</i> 72(1): 369-372 (2023) |