

Table of Contents

Construction Equipment Emission Modeling and Activity Analysis Using Deep Learning <i>Reza Akhavian</i>	1
A Reactive “In silico” Simulation for Theoretical Learning Clinical Skills and Decision-Making <i>Alex Vicente-Villalba, Montserrat Antonin, Dolores Rexachs, and Emilio Luque</i>	3
Simulating Strain and Motivation in Human Work Performance: An Agent-Based Modeling Approach Using the Job Demands-Resources Model <i>Stephanie C. Rodermund, Bernhard Neuerburg, Fabian Lorig, and Ingo J. Timm</i>	8
On the Calibration, Verification and Validation of an Agent-Based Model of the HPC Input/Output System <i>Diego Encinas, Marcelo Naiouf, Armando De Giusti, Sandra Mendez, Dolores Rexachs, and Emilio Luque</i>	14
A Consideration of Added Value Which Influences Information Diffusion <i>Yuya Ota and Norihiko Shinomiya</i>	22
Objective Evaluation of a Novel Filter-Based Motion Cueing Algorithm in Comparison to Optimization-Based Control in Interactive Driving Simulation <i>Patrick Biemelt, Sven Mertin, Nico Ruddenklau, Sandra Gausemeier, and Ansgar Trachtler</i>	25
Train Timetable Optimization for Parallel Single-track Sections During Track Closure <i>Akio Hada and Teodor Gradinariu</i>	32
Cost Evaluation System for Plant Transportation Over Land <i>Inhak Lee, Sehyun Hwang, Hojoon Son, and Soohong Lee</i>	38