

Contents

Jessica Morton, Pieter Vanneste, Charlotte Larmuseau, Bram B. Van Acker, Annelies Raes, Klaas Bombeke, Frederik Cornillie, Jelle Saldien, Lieven De Marez - Identifying predictive EEG features for cognitive overload detection in assembly workers in Industry 4.0	1
Massimiliano Righi, Valeria Villani, Lorenzo Sabattini, Cristian Secchi, Towards affective robotics: wearable devices for the assessment of cognitive effort	20
Julie Albentosa, Alexis Remigereau, Françoise Darses, Subjective mental load of dismounted soldiers as a function of the procedures they follow	33
Maria Gabriella Pediconi, Glauco Maria Genga, Sabrina Venzi, Mastering the unforeseen. Resilience and Workload During Air Force Operations, A Psychoanalytical Point of View	41
Ana C. Martinez-Levy, Nicolina Sciaraffa, Giulia Cartocci, Patrizia Cherubino, Alessia Vozzi, Vincenzo Ronca and Fabio Babiloni, Mental workload during (un)familiar food tasting experiences	54
Manuel Picardi, Graduated development training for driving license acquisition (Category B)	63
Giulia Cartocci, Gianluca Borghini, Alessandro Scorpecci, Bianca M.S. Inguccio, Andrea Giorgi, Sara Giannantonio, Nicolina Sciaraffa, Alessia Vozzi, Vincenzo Ronca, Pasquale Marsella and Fabio Babiloni, Neurophysiological characterization of normal hearing and unilateral hearing loss children: a comparison among EEG-based indices for information processing and decision-making levels	74
Lisa Jeanson, J. M. Christian Bastien, Alexandre Morais, Javier Barceñilla, Reducing kitting errors in automotive industry through the reorganization of workstations layout: a mental workload approach	85
Nina Gusenleitner, Sandra Siedl, Gernot Stub2, Axel Pollere3, Gabor Recksk4, Roland Sommer, Maria Chiara Leva, Mario Pichler, Theodorich Kopetzky and Bernhard A. Moser, Facing Mental Workload in AI-Transformed Working Environments	91
Vera Verstappen, Elise Pikaar, Innovations in Dutch train cabs: the impact on workload, attention allocation and hazards	97
Vera Rick, Julia N. Czerniak, Alexander Mertens, Vincenzo Ronca, Alessia Vozzi, Pietro Aricò, Gianluca Di Flumeri, Nicolina Sciaraffa, Carlos Alberto Catalina Ortega, Marteyn van Gasteren, Maite Cobo, Verena Nitsch, Fabio Babiloni and Gianluca Borghini, WorkingAge: Smart Working Environments for all Ages.	99
Charelle Bottenheft, Anne-Marie Brouwer, Eric Groen and Jan van Erp, Understanding the Effect of Mental and Physiological Stressors on Cognitive Performance	101
José Castillo Edith Galy Pierre Théroutanne and Raoul Do Nascimento, Study of the mental workload and stress generated using digital technology at the workplace	105
Tamsyn Edwards, Savita Verma, Jillian Keeler, Workload considerations in Urban Air Mobility	109