1.	Record Nr.	UNISA996418287203316
	Titolo	Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management. Human Communication, Organization and Work [[electronic resource]] : 11th International Conference, DHM 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings, Part II / / edited by Vincent G. Duffy
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
	ISBN	3-030-49907-3
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XXV, 441 p. 175 illus., 141 illus. in color.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 12199
	Disciplina	610.2854019
	Soggetti	User interfaces (Computer systems) E-commerce Optical data processing Artificial intelligence Computer communication systems Special purpose computers User Interfaces and Human Computer Interaction e-Commerce/e-business Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer Communication Networks Special Purpose and Application-Based Systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Modelling Human Communication -- Netlogo vs. Julia: Evaluating Different Options for the Simulation of Opinion Dynamics -- Investigating Key Factors for Social Network Evolution and Opinion Dynamics in an Agent-Based Simulation -- Sign Language to Speech Converter Using Raspberry-Pi -- Identification of Target Speech Utterances from Real Public Conversation -- IMotions ' Automatic Facial

Recognition & Text-Based Content Analysis of Basic Emotions & Empathy in the Application of the Interactive Neurocommunicative Technique LNCBT (Line&Numbered Concordant Basic Text) -- User Behavior and Awareness of Filter Bubbles in Social Media -- Performance Evaluation of Text-Oriented Artificial Chat Operation System (TACOS) -- Modelling Work, Collaboration and the Human Environment -- Safety Performance-based Risk Assessment for Aviation Fuel Supply of Civil Aviation -- Enabling or Stressing? – Smart Information Use within Industrial Service Operation -- Improving the Performance in Occupational Health and Safety Management in the Electric Sector: An Integrated Methodology using Fuzzy Multicriteria Approach -- Fine-Grained Map Coloring Web Service for JavaScript -- Neural Network Risks Suggested by Optical Illusions -- Approach to Ensure an Optimal Task-Technology Fit between Industrial Tasks and Modern Information and Communication Technologies -- FD-CAST: A Tool for Analyzing and Simulating Fire Department Configurations -- Addressing Ethical and Societal Challenges -- Embedding Ethics in Human Factors Design & Evaluation Methodologies -- Systematic Literature Review on the Effect of Human Error in Environmental Pollution -- Data Mining Methodology in Support of a Systematic Review of Human Aspects of Cybersecurity -- Ensuring Trust in and Acceptance of Digitalization and Automation: Contributions of Human Factors and Ethics -- Regulated Body-Sharing Virtual Trips for Pleasure and Business -- Development and Evaluation of a Research Framework for Measuring the Reliance on Automation in Situations of Risk and Moral Dilemma -- Threat or Opportunity -- Analysis of the Impact of Artificial Intelligence on Future Employment.-New Research Issues and Approaches in Digital Human Modelling -- The Difficulties in Usability Testing of 3-Dimensional Software Applying Eye-Tracking Methodology – Presented via Two Case Studies of Evaluation of Digital Human Modelling Software -- Sensory Design in Games: Beyond Visual-Based Experiences -- Virtual Reality and Artificial Intelligence in Mobile Computing and Applied Ergonomics: A Bibliometric and Content Analysis -- What is the State of Smart Glass Research from an OSH Viewpoint? A Literature Review -- A Systematic Literature Review of Game-based Learning and Safety Management -- Integrating Lean Six Sigma and Discrete-event Simulation for Shortening the Appointment Lead-time in Gynecobstetrics Departments: A Case Study -- Choosing the Most Suitable Classifier for Supporting Assistive Technology Adoption in People with Parkinson's Disease: A Fuzzy Multi-Criteria Approach -- Identifying the Most Appropriate Classifier for Underpinning Assistive Technology Adoption for People with Dementia: An Integration of Fuzzy AHP and VIKOR Methods -- Multi-pose Face Recognition based on Block Adaptation -- User Preference toward Appearance of Mobile Input Method Editor based on Kansei Engineering.

| Sommario/riassunto | This two-volume set LNCS 12198 and 12199 constitutes the thoroughly refereed proceedings of the 11th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management, DHM 2020, which was supposed to be held as part of the 22st HCI International Conference, HCII 2020, in Copenhagen, Denmark, in July 2020. The conference was held virtually due to the COVID-19 pandemic. A total of 1439 papers and 238 posters have been carefully reviewed and accepted for publication in HCII 2020. DHM 2020 includes a total of 77 papers; they were organized in topical sections named: Part I, Posture, Motion and Health: Posture and motion modelling in design; ergonomics and occupational health; applications for exercising, physical therapy and rehabilitation; |

health services; DHM for aging support. Part II, Human Communication, Organization and Work: Modelling human communication; modelling work, collaboration and the human environment; addressing ethical and societal challenges; new research issues and approaches in digital human modelling.