1. Record Nr. UNINA9910873975003321

Titolo	ITG-Fb. 291: WSA 2020 : 24th International ITG Workshop on Smart Antennas February 18 – 20, 2020, Hamburg, Germany
Pubbl/distr/stampa	Berlin, : VDE Verlag, 2020
ISBN	9781523140732 1523140739 9783800752010 3800752018
Edizione	[Neuerscheinung]
Descrizione fisica	Online-Ressource (406 S.)
Collana	ITG-Fachberichte
Soggetti	Machine learning Wireless Communications Beamforming Techniques Smart Antenna Wireless Technology Channel Modelling Cloud Radio Access Networks Massive/Full-Dimension MIMO Network/Distributed MIMO Ultra-Low Latency Communic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20200221
Sommario/riassunto	Long description: The 24th International ITG Workshop on Smart Antennas (WSA 2020) will be hosted at Hamburg University of Technology (TUHH). It provides a prestigious international forum for the latest results on communication and information theory, related signal processing algorithms, and experimental results for wireless communications, with special focus on multiantenna (MIMO) systems. A non-exclusive list of topics of interest includes: • Beamforming Techniques • Massive/Full-Dimension MIMO • Network/Distributed MIMO • Multicell Systems and Interference • Cloud Radio Access

	Networks • Millimeter Wave and Terahertz Communications • Limited Feedback • Ultra-Low Latency Communication • Channel Modelling and Estimation • Compressive Sensing and Sparse Processing • Machine Learning for PHY/MAC Design • Multiantenna Techniques and Security • Field Trials and Demonstrators • MIMO Radar and Multisensor Processing • Cooperative and Sensor Networks • Device-to-Device Communications • Vehicular Communications • Uncoordinated and Massive Access • Localization

2. Record Nr. UNINA9910437959203321

Titolo	Eye Gaze in Intelligent User Interfaces : Gaze-based Analyses, Models and Applications / / edited by Yukiko I. Nakano, Cristina Conati, Thomas Bader
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2013
ISBN	9781447147848 1447147847
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (x, 207 pages) : illustrations (some color)
Collana	Gale eBooks
Altri autori (Persone)	NakanoYukiko I ConatiCristina BaderThomas
Disciplina	004.019 005.437
Soggetti	User interfaces (Computer systems) Human-computer interaction Social sciences - Data processing Education - Data processing Image processing - Digital techniques Computer vision Multimedia systems User Interfaces and Human Computer Interaction Computer Application in Social and Behavioral Sciences Computers and Education Computer Imaging, Vision, Pattern Recognition and Graphics Multimedia Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Introduction -- Part I: Gaze in Human Communication -- How Eye Gaze Feedback Changes Parent-child Joint Attention in Shared Storybook Reading: An Eye-tracking Intervention Study -- Shared Gaze in Situated Referential Grounding: An Empirical Study -- Automated Analysis of Mutual Gaze in Human Conversational Pairs -- Part II: Gaze-based Cognitive and Communicative Status Estimation -- REGARD: Remote Gaze-Aware Reference Detector -- Effectiveness of Gaze-based Engagement Estimation in Conversational Agents -- A Computational Approach for Prediction of Problem-solving Behavior using Support Vector Machines and Eye-tracking Data -- Part III: Gaze Awareness in HCI -- Gazing the Text for Fun and Profit -- Natural Gaze Behavior as Input Modality for Human-Computer Interaction -- Co-present or Not?: Embodiment, Situatedness and the Mona Lisa Gaze Effect -- Index.
Sommario/riassunto	Remarkable progress in eye-tracking technologies opened the way to design novel attention-based intelligent user interfaces, and highlighted the importance of better understanding of eye-gaze in human-computer interaction and human-human communication. For instance, a user’s focus of attention is useful in interpreting the user’s intentions, their understanding of the conversation, and their attitude towards the conversation. In human face-to-face communication, eye gaze plays an important role in floor management, grounding, and engagement in conversation. Eye Gaze in Intelligent User Interfaces draws on ideas from a number of contributors working on how attentional information can be applied to novel intelligent interfaces. Part I focuses on analyzing human eye gaze behaviors to reveal characteristics of human communication and cognition; Part II addresses estimation and prediction of the cognitive state of the users using gaze information; and Part III presents proposals of novel gaze-aware interfaces which integrate eye-trackers as a system component. The contributions highlight a direction for the future of human-computer interaction, and discuss issues in human attentional behaviors and face-to-face communication which are essential in designing gaze aware interactive interfaces.