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Institut für Informations- und Kommunikationstechnik

INSTITUT FÜR INFORMATIONS- UND KOMMUNIKATIONSTECHNIK

Universitätsplatz 2, 39106 Magdeburg
Tel. 49-(0)391-67-58447, Fax 49-(0)391-67-20051
iikt@ovgu.de
<http://www.iikt.ovgu.de/>

1. LEITUNG

Prof. Dr.-Ing. Thilo Pionteck (Geschäftsführender Leiter)
Prof. Dr.-Ing. Vadim Issakov
Prof. Dr.-Ing. Abbas Omar (seit 1.4.2020 im Ruhestand)
Prof. Dr. rer. nat. Andreas Wendemuth
Jun.-Prof. Dr.-Ing. Ingo Siegert
apl. Prof. Dr.-Ing. habil. Ayoub Al-Hamadi

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Aguilar, Erik; Issakow, Vadim; Weigel, Robert

A 130 GHz fully-integrated fundamental-frequency D-Band transmitter module with >4 dBm single-ended output power
IEEE transactions on circuits and systems : a publication of the Circuits and Systems Society / Institute of Electrical and Electronics Engineers - New York, NY : IEEE, Bd. 67.2020, 5, S. 906-910
[Imp.fact.: 2.814]

Akhtiamov, Oleg; Siegert, Ingo; Karpov, Alexey; Minker, Wolfgang

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Sensors - Basel: MDPI, 2001, Volume 20(2020), issue 9, article 2740, 15 Seiten;
[Imp.fact.: 3.275]

Al Aghbari, Zaher; Hamadi, Ayoub

Finding K most significant motifs in big time series data
Procedia computer science - Amsterdam [u.a.]: Elsevier, 2010, Bd. 170.2020, S. 595-601;

Bakheet, Samy; Al-Hamadi, Ayoub

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Journal of Russian laser research - New York, NY [u.a.]: Consultants Bureau, 1980, Bd. 41.2020, 1, S. 156-170;
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Cilardo, Alessandro; Gagliardi, Mirko; Passaretti, Daniele

Hardware support for thread synchronisation in an experimental manycore system
International journal of grid and utility computing - Genève: Inderscience Enterprises, 2005, Bd. 11.2020, 1, S. 62-71;

Ciocoveanu, Radu; Weigel, Robert; Hagelauer, Amelie; Issakov, Vadim

Design of a 60 GHz 32% PAE Class-AB PA with 2nd harmonic control in 45-nm PD-SOI CMOS
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Fiedler, Marc-André; Rapczynski, Michal; Al-Hamadi, Ayoub

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Frisch, Stephan; Werner, Philipp; Al-Hamadi, Ayoub; Traue, Harald C.; Gruss, Sascha; Walter, Steffen

Von der Fremdbeurteilung des Schmerzes zur automatisierten multimodalen Messung der Schmerzintensität - narrativer Review zum Stand der Forschung und zur klinischen Perspektive
Der Schmerz: Organ der Deutschen Gesellschaft zum Studium des Schmerzes, der Österreichischen Schmerzgesellschaft und der Deutschen Interdisziplinären Vereinigung für Schmerztherapie - Berlin: Springer, 1987, Bd. 34.2020, S. 376-387;
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Handrich, Sebastian; Dinges, Laslo; Hamadi, Ayoub; Werner, Philipp; Al Aghbari, Zaher

Simultaneous prediction of valence/arousal and emotions on AffectNet, Aff-Wild and AFEW-VA
Procedia computer science - Amsterdam [u.a.]: Elsevier, 2010, Bd. 170.2020, S. 634-641;

Hempel, Thorsten; Hamadi, Ayoub

Pixel-wise motion segmentation for SLAM in dynamic environments
IEEE access: practical research, open solutions/ Institute of Electrical and Electronics Engineers - New York, NY: IEEE, 2013, Bd. 8.2020, S. 164521-164528;
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Issakov, Vadim

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Joseph, Jan Moritz; Ermel, Dominik; Bamberg, Lennart; García-Oritz, Alberto; Pionteck, Thilo

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Progress in electromagnetics research : PIER - Cambridge, Mass. : EMW, Bd. 90.2020, S. 61-67

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Robots and wizards - an investigation into natural HumanRobot Interaction
IEEE access: practical research, open solutions/ Institute of Electrical and Electronics Engineers - New York, NY: IEEE, 2013, Bd. 8.2020, S. 207635-207642;
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Rimmelpacher, Johannes; Ciocoveanu, Radu; Steffan, Giovanni; Bassi, Matteo; Issakov, Vadim

Low power low phase noise 60 GHz multichannel transceiver in 28 nm CMOS for radar applications

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[Symposium: 2020 IEEE Radio Frequency Integrated Circuits Symposium, RFIC, virtual event, 4-6 Aug. 2020]

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Siegert, Ingo

Alexa in the wild - collecting unconstrained conversations with a modern voice assistant in a public environment
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Siegert, Ingo; Busch, Matthias; Krüger, Julia

Does users' system evaluation influence speech behavior in HCI? - first insights from the engineering and psychological perspective

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[Konferenz: 31. Konferenz "Elektronische Sprachsignalverarbeitung", Magdeburg, 4.-6. März 2020]

Siegert, Ingo; Silber-Varod, Vered; Kamocki, Pawel

GDPR - a game changer for acoustic interaction analyses

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Siegert, Ingo; Sinha, Yamini; Jokisch, Oliver; Wendemuth, Andreas

Recognition performance of selected speech recognition APIs - a longitudinal study

Speech and Computer: 22nd International Conference, SPECOM 2020, St. Petersburg, Russia, October 7-9, 2020, proceedings - Cham: Springer, 2020; Karpov, Alexey . - 2020, S. 520-529 - (Lecture notes in computer science; 12335);

[Konferenz: 22nd International Conference, SPECOM 2020, St. Petersburg, Russia, October 7-9, 2020]

Weißkirchen, Norman; Böck, Ronald; Wendemuth, Andreas

Towards true artificial peers

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WISSENSCHAFTLICHE MONOGRAPHIEN

Kuhlmann, Matthias; Jüttner, Sven

Schlussbericht ELOBEV - Teilprojekt OVGU

[Magdeburg]: [Otto-von-Guericke-Universität Magdeburg], 2019, 57 Blätter, 2 ungezählte Blätter, Diagramme; [Autoren und durchführende Institution dem Berichtsblatt entnommen; Verbundnummer 01172621; Förderkennzeichen BMBF 13XP5025E]

HERAUSGEBERSCHAFTEN

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Cham: Imprint: Springer, 2020., 1st ed. 2020., 1 Online-Ressource(XII, 257 p. 112 illus., 62 illus. in color.) - (Springer eBook Collection; Theoretical Computer Science and General Issues; 12155);

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Siegert, Ingo; Möller, Sebastian

Sprachassistenten - Anwendungen, Implikationen, Entwicklungen : ITG-Workshop : Magdeburg, 3. März, 2020 : [Abstractbook]

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Kongress: ITG-Workshop "Sprachassistenten : Anwendungen, Implikationen, Entwicklungen" (Magdeburg : 2020.03.03)

Wendemuth, Andreas; Böck, Ronald; Siegert, Ingo

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Dresden: TUDpress, 2020, XI, 288 Seiten, Illustrationen, Diagramme, 24 cm x 17 cm - (Studientexte zur Sprachkommunikation; Band 95)

NICHT BEGUTACHTETE BUCHBEITRÄGE

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When vectorwise meets hyper, pipeline breakers become the moderator

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ABSTRACTS

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das ist schon gruselig so dieses Belauschtwerden - subjektives Erleben von Interaktionen mit Sprachassistentensystemen zum Zwecke der Individualisierung

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