



FAKULTÄT FÜR
ELEKTROTECHNIK UND
INFORMATIONSTECHNIK

Publikationsbericht 2017

FAKULTÄT FÜR ELEKTROTECHNIK UND INFORMATIONSTECHNIK

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1. Leitung

Prof. Dr.-Ing. Ralf Vick (Dekan)
Prof. Dr. rer. nat. Christoph Hoeschen (Prodekan)

2. Veröffentlichungen

Abstracts

Chen, Chien-Hsi

Advanced biomimetic electronic prosthesis controlled by non-invasive brain-computer-interface
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 137-138

Esmaeili, Nazila

The effect of new technologies on healthcare future vision
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 45-46

Ferrari, Marco

Prevention, robotics and big data analysis - the biggest trends of the future healthcare
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 81-82

Guthrie, Alan

An ounce of prevention is worth a pound of cure
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 38-39

Madhav, Charusree

Developments in health industry in the future
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 59-60

Parsanejad, Paris

Affordable technology for improved healthcare using telehealth application
In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges;

proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 57-58

Peteti, Siva Jyothi

Intelligent virtual agent technology in health care

In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 97-98

Reddy, Pamulapate Lokeswara

Recent and future directions in CT imaging

In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 129-130

Sadeghi, Maryam

Everyday Healthcare Monitoring through genetic analysis, artificial intelligence and constant monitoring tools

In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 77-78

van Oepen, Alexander

How will the healthcare system in 2037 deal with common diseases and related challenges?

In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg: Universitätsbibliothek, S. 69-70

Habilitationen

Streif, Stefan; Findeisen, Rolf [AkademischeR BetreuerIn]

Estimation, fault diagnosis and control of uncertain nonlinear systems

In: Magdeburg, 2017, 348 Seiten, Illustrationen, Diagramme, 21 cm

[Es handelt sich um eine kumulative Schrift, die aus 15 Artikeln und einer vorangestellten Einleitung besteht.]

Dissertationen

Hahn, Stefan; Jumar, Ulrich [AkademischeR BetreuerIn]

Methoden zur nichtlinearen modellbasierten Spurführung benutzerdefinierter Punkte an der Fahrzeugfront. - Aachen Shaker Verlag, 2017, XIX, 212 Seiten, 81 Illustrationen, Diagramme, 21 cm, 350 g - (Berichte aus der Steuerungs- und Regelungstechnik), ISBN 978-3-8440-5353-1;

[Literaturverzeichnis: Seite 171-188]

Kunde, Christian; Kienle, Achim [GutachterIn]; Seidel-Morgenstern, Andreas [GutachterIn]

Global optimization in conceptual process design. - Magdeburg, 2017, i, 123 Seiten, Illustrationen

[Literaturverzeichnis: Seite 117-123]

Menendez Zometa, Juan Pablo; Findeisen, Rolf [GutachterIn]

Code generation for model predictive control of embedded systems. - Magdeburg, 2017, XII, 124 Seiten, Illustrationen

[Literaturverzeichnis: Seite 107-117]

SabriAlirezaei, Iman; Burte, Edmund P. [AkademischeR BetreuerIn]

A monolithically integrated butt-coupled 3D bulk-CMOS silicon photodetector array with a fiber-to-chip couplers platform on a single-chip. - Magdeburg, 2017, xvii, 116 Seiten, Illustrationen

[Literaturverzeichnis: Seite 103-116]

Wisniewski, Lukasz; Diedrich, Christian [GutachterIn]

New methods to engineer and seamlessly reconfigure time triggered Ethernet based systems during runtime based on the PROFINET IRT example. - Berlin Springer Vieweg, 2017, XIX, 200 Seiten, Illustrationen, Diagramme, 24 cm
- (Technologien für die intelligente Automation; Band 6), ISBN 978-3-662-54649-9;
[Literaturverzeichnis: Seite 175-194]

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Prof. Dr.-Ing. Ulrike Steinmann
Hon. Prof. Dr.-Ing. Ulrich Jumar
Jun.-Prof. Dr.-Ing. Stefan Palis

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Fechtner, Marcus; Kienle, Achim

Efficient simulation and equilibrium theory for adsorption processes with implicit adsorption isotherms - mass action equilibria
In: Chemical engineering science - Amsterdam [u.a.]: Elsevier Science, Bd. 171.2017, S. 471-480
[Imp.fact.: 2,750]

Geyyer, Rostyslav; Dürr, Robert; Temmel, Erik; Li, Tao; Lorenz, Heike; Palis, Stefan; Seidel-Morgenstern, Andreas; Kienle, Achim

Control of continuous mixed-solution mixed-product removal crystallization processes
In: Chemical engineering & technology: industrial chemistry, plant equipment, process engineering, biotechnology - Weinheim: Wiley-VCH Verl.-Ges, Bd. 40.2017, 7, S. 1362-1369
[Special issue: Industrial crystallization]

Kishida, Masako; Kögel, Markus; Findeisen, Rolf

Combined event- and self-triggered control approach with guaranteed finite-gain L 2 stability for uncertain linear systems
In: IET control theory and applications - London: IET, Bd. 11.2017, 11, S. 1674-1683
[Imp.fact.: 2,536]

Lucia, Sergio; Navarro, Denis; Lucia, Oscar; Zometa, Pablo; Findeisen, Rolf

Optimized FPGA implementation of model predictive control for embedded systems using high level synthesis tool
In: IEEE transactions on industrial informatics - New York, NY: IEEE, 2017; <http://dx.doi.org/10.1109/TII.2017.2719940>
[Imp.fact.: 6,764]

Matschek, Janine; Bullinger, Eric; Haeseler, Friedrich; Skalej, Martin; Findeisen, Rolf

Mathematical 3D modelling and sensitivity analysis of multipolar radiofrequency ablation in the spine
In: Mathematical biosciences - New York, NY: American Elsevier, Bd. 284.2017, S. 51-60
[Imp.fact.: 1,246]

Neugebauer, Christoph; Palis, Stefan; Bück, Andreas; Tsotsas, Evangelos; Heinrich, Stefan; Kienle, Achim

A dynamic two-zone model of continuous fluidized bed layering granulation with internal product classification
In: Particuology - Amsterdam: Elsevier, Bd. 31.2017, S. 8-14
[Imp.fact.: 2,280]

Potluri, Sasanka; Diedrich, Christian

Deep feature extraction for multi-class intrusion detection in industrial control systems
In: International Journal of Computer Theory and Engineering: IJCTE - Singapore: International Association of Computer Science and Information Technology Press (IACSIT Press), Bd. 9.2017, 5, S. 374-379

Scholz, André; Hildebrandt, Constantin; Fay, Alexander; Schröder, Tizian; Diedrich, Christian; Dubovy, Martin; Eck, Christian; Wiegand, Ralf; Heidel, Roland

Semantische Inhalte für Industrie 4.0 - Modellierung technischer Systeme in kollaborativen Umgebungen
In: Atp-Edition: automatisierungstechnische Praxis: Organ der GMA (VDI-VDE-Gesellschaft Meß- und Automatisierungstechnik) und der NAMUR (Interessengemeinschaft Automatisierungstechnik der Prozessindustrie) - München: DIV Dt. Industrieverl, Bd. 59.2017, 7/8, S. 34-43

Seidel, Carsten; Jörke, A.; Vollbrecht, B.; Seidel-Morgenstern, Andreas; Kienle, Achim

Kinetic modeling of methanol synthesis from renewable resources
In: Chemical engineering science - Amsterdam [u.a.]: Elsevier Science, Bd. 175.2018, S. 130-138
[Online first]
[Imp.fact.: 2,895]

Begutachtete Buchbeiträge

Bück, Andreas; Schmidt, Martin; Neugebauer, Christoph; Palis, Stefan; Kienle, Achim; Heinrich, Stefan; Tsotsas, Evangelos

Process dynamics of continuous fluidised bed layering granulation
In: 8th International Granulation Workshop: Sheffield, UK, June 2017 - Sheffield, Posternr. 2, paper 67, insgesamt 5 Seiten
[Beitrag auf USB-Stick]

Diedrich, Christian; Hadlich, Thomas; Thron, Mario

Semantik durch Merkmale für Industrie 4.0
In: Handbuch Industrie 4.0: Bd. 2: Automatisierung - Berlin: Springer Vieweg, S. 417-432, 2017

Diedrich, Christian; Riedl, Matthias

Integration von Automatisierungsgeräten in Industrie-4.0-Komponenten
In: Handbuch Industrie 4.0: Bd. 2: Automatisierung - Berlin: Springer Vieweg, S. 279-292, 2017

Diedrich, Christian; Schröder, Tizian; Riedl, Matthias

Kommunikationskonzept von NAMUR Open Architecture - NOA
In: "Kommunikation in der Automation": 8. Jahreskolloquium KomMA 2017, 14.-15.11.2017 - Magdeburg: ifak Institut für Automation und Kommunikation e.V., 2017, paper 126, insgesamt 15 Seiten
[Kolloquium: KomMA 2017]

Keßler, Tobias; Kunde, Christian; Mertens, Nick; Michaels, Dennis; Kienle, Achim

Global optimization of distillation columns using surrogate models
In: Evolutionary and deterministic methods for design optimization and control with applications to industrial and societal problems: Sep 13-15, 2017 in Madrid, Spain; EUROGEN 2017; Book of abstracts: Sep 13-15, 2017 in Madrid, Spain: EUROGEN 2017; Book of abstracts - Madrid: Technical University, 2017, paper 041, insgesamt 7 Seiten
[Vollständiger Beitrag auf USB-Stick.]

Keßler, Tobias; Mertens, Nick; Kunde, Christian; Nentwich, Corina; Michaels, Dennis; Kienle, Achim

Efficient global optimization of a novel hydroformylation process
In: 27th European symposium on computer aided process engineering: Barcelona from 1-5 October 2017 - Amsterdam:

Elsevier, S. 2113-2118
[Konferenz: ESCAPE 2017]

Kishida, Masako; Kögel, Markus; Findeisen, Rolf

Event-triggered actuator signal update using self-triggered sampled data for uncertain linear systems

In: 2017 American Control Conference (ACC): 24-26 May 2017 - [Piscataway, NJ]: IEEE, S. 3035-3041

[Konferenz: 2017 American Control Conference (ACC), Seattle, WA, USA, 24-26 May, 2017]

Krüger, Jacob; Nielebock, Sebastian; Krieter, Sebastian; Diedrich, Christian; Leich, Thomas; Saake, Gunter; Zug, Sebastian; Ortmeier, Frank

Beyond software product lines - variability modeling in cyber-physical systems

In: Proceedings of the 21th International Software Product Line Conference. Volume A: SPLC 2017, Sevilla, Spain, September 25 - 29, 2017 - New York: ACM, S. 237-241

[Konferenz: 21th International Software Product Line Conference, SPLC 2017, Sevilla, Spain, September 25 - 29, 2017]

Lucia, Sergio; Paulson, Joel A.; Findeisen, Rolf; Braatz, Richard D.

On stability of stochastic linear systems via polynomial chaos expansions

In: 2017 American Control Conference (ACC): 24-26 May 2017 - [Piscataway, NJ]: IEEE, S. 5089-5094

[Konferenz: 2017 American Control Conference (ACC), Seattle, WA, USA, 24-26 May, 2017]

Lucia, Sergio; Torchio, Marcello; Raimondo, Davide M.; Klein, Reinhardt; Braatz, Richard D.; Findeisen, Rolf

Towards adaptive health-aware charging of Li-ion batteries - a real-time predictive control approach using first-principles models

In: 2017 American Control Conference (ACC): 24-26 May 2017 - [Piscataway, NJ]: IEEE, S. 4712-4722

[Konferenz: 2017 American Control Conference (ACC), Seattle, WA, USA, 24-26 May, 2017]

Möhring, Hans-Christian; Edner, Falco; Neu, Alexander

Mechatronisches Therapie- und Reha-Assistenzsystem

In: Smarte Strukturen und Systeme: Tagungsband des 4SMARTS-Symposiums, 21.-22. Juni 2017, Braunschweig - Aachen: Shaker Verlag, S. 415-426

[Symposium: 4SMARTS-Symposiums, Braunschweig, 21.-22. Juni 2017]

Morabito, Bruno; Klein, Reinhardt; Findeisen, Rolf

Real time feasibility and performance of moving horizon estimation for Li-ion batteries based on first principles electrochemical models

In: 2017 American Control Conference (ACC): 24-26 May 2017 - [Piscataway, NJ]: IEEE, S. 3457-3462

[Konferenz: 2017 American Control Conference (ACC), Seattle, WA, USA, 24-26 May, 2017]

Herausgeberschaften

Jumar, Ulrich ; Jasperneite, J.

"Kommunikation in der Automation" - 8. Jahreskolloquium Komma 2017, 14.-15.11.2017. - Magdeburg ifak Institut für Automation und Kommunikation e.V., 2017, 1 USB-Stick, ISBN 978-3-944722-63-4;

Kongress: Jahreskolloquium "Kommunikation in der Automation" 8 (Magdeburg: 2017.11.14-15)

[Veranstaltungsort: Magdeburg; Vollständige Papers auf dem USB-Stick, Abstracts in der Beilage]

Abstracts

Kondragunta, Jyothsna; Potluri, Sasanka

Early identification of complex foot problems with adaptive artificial intelligence

In: International Healthcare Vision 2037: new technologies, educational goals and entrepreneurial challenges; proceedings + summary of the 5th BME-IDEA EU Conference; 11 - 13 June 2017, Magdeburg, Germany - Magdeburg:

Universitätsbibliothek, S. 142-144

Habilitationen

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[Literaturverzeichnis: Seite 171-188]

Kazim, Khalid J.; Findeisen, Rolf [GutachterIn]; Ortmeier, Frank [GutachterIn]

Towards a unified approach for path-following and force-feedback using nonlinear model predictive control.

- Magdeburg, 2017, v, VIII, 120 Seiten, Illustrationen

[Abweichendes Erscheinungsjahr auf der Titelseite: 2016]

Kunde, Christian; Kienle, Achim [GutachterIn]; Seidel-Morgenstern, Andreas [GutachterIn]

Global optimization in conceptual process design. - Magdeburg, 2017, i, 123 Seiten, Illustrationen

[Literaturverzeichnis: Seite 117-123]

Menendez Zometa, Juan Pablo; Findeisen, Rolf [GutachterIn]

Code generation for model predictive control of embedded systems. - Magdeburg, 2017, XII, 124 Seiten, Illustrationen

[Literaturverzeichnis: Seite 107-117]

Oseev, Aleksandr; Steinmann, Ulrike [AkademischeR BetreuerIn]

SAW based phononic crystal microfluidic sensor platform. - Magdeburg, 2017, xvii, 139 Seiten, Illustrationen

[Literaturverzeichnis: Seite 131-139]

Santos da Silva, Francisco Vitor; Kienle, Achim [AkademischeR BetreuerIn]; Seidel-Morgenstern, Andreas [AkademischeR BetreuerIn]

Analysis and design of center-cut separations using 8-zone simulated moving bed chromatography. - Magdeburg, 2017, 161 Seiten, Illustrationen, Diagramme, 30 cm

[Literaturverzeichnis: Seite 142-153]

Savchenko, Anton

Efficient set-based process monitoring and fault diagnosis. - Aachen Shaker Verlag 2017, VI, 120 Seiten, Illustrationen, Diagramme, 21 cm, 195 g - (Contributions in systems theory and automatic control; Band 7), ISBN 978-3-8440-5212-1;

[Literaturverzeichnis: Seite 111-120]

Wisniewski, Lukasz; Diedrich, Christian [GutachterIn]

New methods to engineer and seamlessly reconfigure time triggered Ethernet based systems during runtime based on the PROFINET IRT example. - Berlin Springer Vieweg, 2017, XIX, 200 Seiten, Illustrationen, Diagramme, 24 cm

- (Technologien für die intelligente Automation; Band 6), ISBN 978-3-662-54649-9;

[Literaturverzeichnis: Seite 175-194]

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1. Leitung

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Prof. Dr. rer. nat. Andreas Wendemuth
Prof. Dr.-Ing. Thilo Pionteck
apl. Prof. Dr.-Ing. habil. Ayoub Al-Hamadi

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Bakheet, Samy; Al-Hamadi, Ayoub

Hand gesture recognition using optimized local Gabor features
In: Journal of computational and theoretical nanoscience: for all theoretical and computational aspects in science, engineering, and biology - Stevenson Ranch, Calif.: American Scientific Publ., Bd. 14.2017, 3, S. 1380-1389
[DOI: 10.1166/jctn.2017.6460]
[Imp.fact.: 1,666]

Bakheet, Samy; Al-Hamadi, Ayoub; Mofaddel, M. A.

Recognition of human actions based on temporal motion templates
In: British Journal of Applied Science & Technology: BJASt - London [u.a.]: Sciencedomain International, Vol. 20.2017,5, Article no. BJASt. 28318, insgesamt 11 Seiten; <http://dx.doi.org/10.9734/BJAST/2017/28318>

Egorow, Olga; Siegert, Ingo; Wendemuth, Andreas

Prediction of user satisfaction in naturalistic human-computer interaction
In: Kognitive Systeme - Duisburg: DuEPublico, 1, insges. 9 S., 2017

Joseph, Jan Moritz; Blochwitz, Christopher; García Ortiz, Alberto; Pionteck, Thilo

Area and power savings via asymmetric organization of buffers in 3D-NoCs for heterogeneous 3D-SoCs
Jan Moritz Joseph, Christopher Blochwitz, Alberto García-Ortiz, Thilo Pionteck
In: Microprocessors and microsystems - Amsterdam [u.a.]: Elsevier, Bd. 48.2017, S. 36-47
[Imp.fact.: 0,333]

Krell, Gerald; Nezhad, Nazila Saeid; Walke, Mathias; Hamadi, Ayoub; Gademann, Günther

Assessment of iterative closest point registration accuracy for different phantom surfaces captured by an optical 3-D sensor in radiotherapy
In: Computational and mathematical methods in medicine: an interdisciplinary journal of mathematical, theoretical and clinical aspects of medicine - New York, NY [u.a.]: Hindawi, 2017, Art. 2938504, insgesamt 14 S.
[Imp.fact.: 0,937]

Werner, Stefan; Heinrich, Dennis; Groppe, Sven; Pionteck, Thilo

Semi-static operator graphs for accelerated query execution on FPGAs
In: Microprocessors and microsystems - Amsterdam [u.a.]: Elsevier, 2017; <http://dx.doi.org/10.1016/j.micpro.2017.07.010>

[Imp.fact.: 1,025]

Begutachtete Buchbeiträge

Blochwitz, Christopher; Klink, Raphael; Joseph, Jan Moritz; Pionteck, Thilo

Contentious live-tracing as debugging approach on FPGAS

In: ReConFig'17: 2017 International Conference on Reconfigurable Computing and FPGAs: December 4-6, Cancun, Mexico - Piscataway, NJ: IEEE

[Konferenz: 2017 International Conference on Reconfigurable Computing and FPGAs, ReConFig'17, Cancun, Mexico, December 4-6, 2017; General session]

Blochwitz, Christopher; Wolff, Julian; Joseph, Jan Moritz; Werner, Stefan; Heinrich, Dennis; Groppe, Sven; Pionteck, Thilo

Hardware-accelerated radix-tree based string sorting for big data applications

In: Architecture of Computing Systems - ARCS 2017: 30th International Conference, Vienna, Austria, April 3-6, 2017, Proceedings - Cham: Springer International Publishing, S. 47-58 - (Lecture Notes in Computer Science; 10172)

[Konferenz: 30th International Conference on Architecture of Computing Systems, ARCS 2017, Vienna, Austria, April 3-6, 2017]

Böck, Ronald

Vom technischen System und seiner widersprüchlichen Umwelt

In: Von Schildkröten und Lügner: Paradoxien und Antinomien in den Wissenschaften: Karsten - Münster: mentis, S. 211-223, 2017

Böck, Ronald; Egorow, Olga; Siegert, Ingo; Wendemuth, Andreas

Comparative study on normalisation in emotion recognition from speech

In: Intelligent Human Computer Interaction: 9th International Conference, IHCI 2017, Evry, France, December 11-13, 2017, Proceedings - Cham: Springer International Publishing, S. 189-201 - (Lecture Notes in Computer Science; 10688)

[Konferenz: 9th International Conference on Intelligent Human Computer Interaction, IHCI 2017, Evry, France, December 11-13, 2017]

Böck, Ronald; Egorow, Olga; Wendemuth, Andreas

Speaker-group specific acoustic differences in consecutive stages of spoken interaction

In: Elektronische Sprachsignalverarbeitung 2017: Tagungsband der 28. Konferenz Saarbrücken, 15. - 17. März 2017 - Dresden: TUDpress Verlag der Wissenschaften GmbH, S. 211-218

[Kongress: 28. Konferenz Elektronische Sprachsignalverarbeitung, Saarbrücken, 15. - 17. März, 2017]

Drewes, Tobias; Joseph, Jan Moritz; Pionteck, Thilo

An FPGA-based prototyping framework for networks-on-Chip

In: ReConFig'17: 2017 International Conference on Reconfigurable Computing and FPGAs: December 4-6, Cancun, Mexico - Piscataway, NJ: IEEE

[Konferenz: 2017 International Conference on Reconfigurable Computing and FPGAs, ReConFig'17, Cancun, Mexico, December 4-6, 2017; poster session A]

Durgesh, Rupesh; Krell, Gerald; Iegorov, Andrii; Schubert, Peter; Friedmann, Felix

Faster convolutional architecture search for semantic segmentation

In: Workshop on Deep Learning for Autonomous Driving (DLAD 2017): co-located with ITSC 2017 Yokohama, Japan, October 16 - 19, 2017 - Yokohama, Japan, insges. 20 S.

Egorow, Olga; Wendemuth, Andreas

Emotional features for speech overlaps classification

In: INTERSPEECH 2017: 20-24 August 2017, Stockholm - International Speech and Communication Association, S. 2356-2360

[Session: Social signals, styles, and interaction; Kongress: INTERSPEECH 2017, Stockholm, 20-24 August 2017]

Glüge, Stefan; Böck, Ronald; Ott, Thomas

Emotion recognition from speech using representation learning in extreme learning machines

In: Proceedings of the 9th International Joint Conference on Computational Intelligence. Volume 1: November 1-3, 2017, Funchal, Madeira, Portugal - [Setúbal]: SCITEPRESS - Science and Technology Publications, Lda., S. 179-185

[Konferenz: 9th International Joint Conference on Computational Intelligence, IJCCI 2017, Funchal, Madeira, Portugal, November 1-3, 2017]

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

Design method for asymmetric 3D interconnect architectures with high level models

In: 12th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC 2017): July 12-14, 2017, Madrid, Spain: proceedings - [Piscataway, NJ]: IEEE, insges. 8 S.

[Symposium: 12th International Symposium on Reconfigurable Communication-centric Systems-on-Chip, ReCoSoC 2017, Madrid, Spain, July 12-14 2017]

Joseph, Jan Moritz; Mey, Morten; Ehlers, Kristian; Blochwitz, Christopher; Winker, Tobias; Pionteck, Thilo

Design space exploration for a hardware-accelerated embedded real-time pose estimation using vivado HLS

In: ReConFig'17: 2017 International Conference on Reconfigurable Computing and FPGAs: December 4-6, Cancun, Mexico - Piscataway, NJ: IEEE

[Konferenz: 2017 International Conference on Reconfigurable Computing and FPGAs, ReConFig'17, Cancun, Mexico, December 4-6, 2017; Poster session B]

Lilienblum, Erik; Handrich, Sebastian; Al-Hamadi, Ayoub

Low cost calibration of stereo line scan camera systems

In: Proceedings of the fifteenth IAPR International Conference on Machine Vision Applications: May 8-12, 2017, Toyoda Auditorium, Nagoya University, Nagoya, Japan - [Piscataway, NJ]: IEEE, S. 296-299

[Konferenz: 15 IAPR International Conference on Machine Vision Applications, MVA 2017]

Lotz, Alicia Flores; Siegert, Ingo; Maruschke, Michael; Wendemuth, Andreas

Audio compression and its impact on emotion recognition in affective computing

In: Elektronische Sprachsignalverarbeitung 2017: Tagungsband der 28. Konferenz Saarbrücken, 15. - 17. März 2017 - Dresden: TUDpress Verlag der Wissenschaften GmbH, S. 1-8

[Kongress: 28. Konferenz Elektronische Sprachsignalverarbeitung, Saarbrücken, 15. - 17. März, 2017]

Omar, Abbas

Systematic characterization of element coupling in high-directivity antenna arrays

In: 2017 IEEE Aerospace Conference: Yellowstone Conference Center, Big Sky, Montana, March 4-11, 2017 - [Piscataway, NJ]: IEEE; <http://dx.doi.org/10.1109/aero.2017.7943642>

[Konferenz: 2017 IEEE Aerospace Conference, Montana, March 4-11, 2017]

Rösner, Dietmar; Frommer, Jörg; Wendemuth, Andreas; Bauer, Thomas; Günther, Stephan; Haase, Matthias; Siegert, Ingo

The last minute corpus as a research resource - from signal processing to behavioral analyses in user-companion interactions

In: Companion technology: a paradigm shift in human-technology interaction - [s.l.]\$Springer International Publishing, S. 277-299, 2017

Schwenker, Friedhelm; Böck, Ronald; Schels, Martin; Meudt, Sascha; Siegert, Ingo; Glodek, Michael; Kächele, Markus; Schmidt-Wack, Miriam; Thiam, Patrick; Wendemuth, Andreas; Krell, Gerald

Multimodal affect recognition in the context of human-computer interaction for companion-systems

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Siegert, Ingo; Jokisch, Oliver; Lotz, Alicia Flores; Trojahn, Franziska; Meszaros, Martin; Maruschke, Michael

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