Tomas Cerny

cs.baylor.edu/~cerny | One Bear Place #97141, Waco, TX, 76706, USA.
tom.cerny@acmicpc.org | (+1) 254.218.0436 | tomas_cerny@baylor.edu

EDUCATION

CZECH TECH. UNIVERSITY
Doctor of Philosophy
January 2016 | Prague, CZ
Supervisors: Michael J. Donahoo
Jan Janousek

BAYLOR UNIVERSITY
MS in Computer Science
May 2009 | Waco, TX
Upsilon Pi Epsilon
Cum. GPA: 3.93 / 4.0

CZECH TECH. UNIVERSITY
Engineer (Computer Science)
June 2009 | Prague, CZ
Faculty of Electrical Engineering
Graduate with honours
Cum. Avg: 1.15 / 1.0

CZECH TECH. UNIVERSITY
Bachelor (Computer Science)
December 2006 | Prague, CZ
Faculty of Electrical Engineering
Graduate with honours
Cum. Avg: 1.12 / 1.0

LINKS

LinkedIn:// tomascerny
ICPCID:// tom.cerny
GoogleScholar:// tomascerny

MEMBERSHIP

- Upsilon Pi Epsilon
- ACM SIGAPP
- ACM Professional
- Gamma Beta Phi

CONFERENCE STAFF

ICITCS'16 - General Chair
ACM SAC'16 - Track Chair
ACM RACS'15/16 - Conference Chair
IEEE CSAE'11 - Session Chair
ACM-ICPC World Finals - Since 2007

STUDENTS

- Doctoral - Karel Cemus - 4th year
- Doctoral - Michal Trnka - 2nd year
- Master students - 25 theses
- Bachelor students - 32 theses

EXPERIENCE

BAYLOR UNIVERSITY
Assistant Professor | August 2017 – Present | Waco, TX

FEE, CZECH TECHNICAL UNIVERSITY IN PRAGUE
Assistant Professor | September 2009 – February 2017 | Prague, CZ

ACM-ICPC
Lead Developer | December 2006 – Present | Waco, TX / Prague, CZ

GOPAS A.S., CZ
Lecturer | September 2009 – February 2017 | Prague, CZ

AQUASOFT S.R.O., CZ
Technology Consultant | February 2011 – July 2011 | Prague, CZ

BAYLOR UNIVERSITY
Researcher | May 2010 – August 2010 | Waco, TX | supvr. M. J. Donahoo

CHARLES UNIVERSITY
External Lecturer | September 2009 – March 2010 | Prague, CZ

DATAAPEX S.R.O., CZ
Lead Tester | January 2006 – December 2006 | Prague, CZ

PROJECTS & GRANTS

2016-present	QA system for IoT, TACR Grant, CTU & Red Hat (450,000 USD)
2016-present	Joint Red Hat & CTU FEE Lab Lead - Open-Source Projects
2016	Software Expert Evaluation for EMTC (1,200 USD)
2015-present	Development & Quality Assurance of Java Middleware (34,500 USD)
2013-present	Avast Foundation: Talented Students Grant for UPE (31,500 USD)
2012-13	CTU Institutional Development Plan - Web Portal (14,500 USD)
2010-15	CTU Student Grant Competitions - SGS Grants (37,000 USD)
2009-present	User Interface open-source framework - AspectFaces
2007-present	ACM-ICPC - Contest management system

ORGANIZATIONS

Since 2014 Czech Republic ACM SIGAPP Chapter Chair
Since 2013 Czech Alpha Chapter Upsilon Pi Epsilon Adviser

AWARDS

2015	Outstanding Service Award ACM SIGAPP
2015	Czech Literature Foundation for Young Scientists
2014	Best Poster Award, SofSem, CZ
2012	Supervisor of Diploma Thesis of the Year, 2nd and 3rd Place, CZ
2011	The ICPC Joseph S. DeBlasi Outstanding Contribution Award
2009	Diploma Thesis of the Year, CZ
2009	Dean's Award for Outstanding Thesis, CZ
2008	Baylor Computer Science Outstanding Graduate Assistant Award, US

REFERENCES

Prof. M.J. Donahoo jeff_donahoo@baylor.edu ICPC Deputy Executive Director, Baylor Uni.
Prof. Jiman Hong jiman@ssu.ac.kr ACM SigAPP Chair, Soongsil University
Prof. Sung Y. Shin sung.shin@sdstate.edu ex-ACM SigAPP Chair, South Dakota State Uni.

PUBLICATIONS

Journals:

[J.1] Tomas Cerny Aspect-Oriented Challenges in System Integration with Microservices, SOA and IoT. Enterprise Information Systems, 1–23, Taylor and Francis, March 2018 (WOS) (2017 IF 1.908)

[J.2] Michal Trnka, Tomas Cerny, Nathaniel Stickeny Survey of Authentication and Authorization for the Internet of Things. Security and Communication Networks, 1–17, 2018 (WOS) (2017 IF 0.904)

[J.3] Miroslav Bures, Tomas Cerny, Karel Frajtak, Bestoun S. Ahmed. Testing the Consistency of Business Data Objects Using Extended Static Testing of CRUD Matrices. Cluster Computing Journal, 1–14, Springer US, August 2017 (WOS) (2017 IF 1.683)

[J.4] Karel Cemus, Filip Klimes, Ondrej Kratochvil, Tomas Cerny. Separation of concerns for distributed cross-platform context-aware user interfaces. Cluster Computing Journal, 20(3):2355-–2362, Springer US, September 2017 (WOS) (2017 IF 1.683)

[J.5] Tomas Cerny, Michael J. Donahoo. On Energy Impact of Web User Interface Approaches. Cluster Computing Journal, 19(4):1853-–18631, Springer US, December 2016 (WOS) (2016 IF 2.040)

[J.6] Tomas Cerny, Michael J. Donahoo. On separation of platform-independent particles in user interfaces. Cluster Computing Journal, 18(3):1215–1228, Springer US, September 2015 (WOS) (2015 IF 1.514)

[J.7] Tomas Cerny, Miroslav Macik, Michael J. Donahoo and Jan Janousek. On Distributed Concern Delivery in User Interface Design. Computer Science and Information Systems (ComSIS) Journal, 12(2):655–681 2015. (WOS) (2015 IF 0.623)

[J.8] Miroslav Macik, Tomas Cerny, and Pavel Slavik. Context-sensitive, cross-platform user interface generation. Journal on Multimodal User Interfaces, pages 1–13. Springer Berlin Heidelberg, 2014. (WOS) (2014 IF 0.797)

[J.9] Tomas Cerny and Eunjee Song. Model-driven rich form generation. INFORMATION-An International Interdisciplinary Journal, 15(7, SI):2695–2714, JUL 2012. (WOS) (2012 IF 0.358)

[J.10] Tomas Cerny, Michael J. Donahoo Second Screen Engagement of Event Spectators. Advances in Human-Computer Interaction, 1–20, Advances in Human-Computer Interaction, 2018

[J.11] Tomas Cerny, Michael J. Donahoo, and Michal Trnka. Contextual Understanding of Microservice Architecture: Current and Future Directions. SIGAPP Applied Computing Review, 17(4):29–45, 2017. (ACM DL)

[J.12] Tomas Cerny, Karel Cemus, Michael J. Donahoo, and Eunjee Song. Aspect-driven, data-reflective and context-aware user interfaces design. SIGAPP Applied Computing Review, 13(4):53–65, 2013. (ACM DL)

[J.13] Tomas Cerny and Bozena Mannova. Competitive and Collaborative Approach Towards a More Effective Education in Computer Science. Contemporary Educational Technology, 2(2):163–173, 2011. (Google Scholar)

[J.14] Michal Trnka and Tomas Cerny. Authentication and Authorization rules sharing for Internet of Things. Software Networking, River Publishers, 2017(1):35–52, 2017. (Google Scholar)

[J.15] Karel Cemus and Tomas Cerny. Automated Extraction of Business Documentation in Enterprise Information Systems. SIGAPP Applied Computing Review, 16(4):5–13. (ACM DL)

[J.16] Martin Tomasek and Tomas Cerny. Automated user interface generation involving field classification. Software Networking, River Publishers, 2017(1):53-78. 2017. (Google Scholar)

Conference papers in Institute for Scientific Information (ISI):

[C.1] Tomas Cerny and Michael J.Donahoo. Survey on Concern Separation in Service Integration. SOFSEM 2016: Theory and Practice of Computer Science, LNCS, pages 518–531, Springer Berlin Heidelberg, 2016. (to be WOS)

[C.2] Karel Cemus, Tomas Cerny, Lubos Matl and Michael J.Donahoo. Aspect, Rich, and Anemic Domain Models in Enterprise Information Systems. SOFSEM 2016: Theory and Practice of Computer Science, LNCS, pages 445-456, Springer Berlin Heidelberg, 2016. (to be WOS)

[C.3] Karel Cemus, Tomas Cerny and Michael J. Donahoo. Automated Business Rules Transformation into a Persistence Layer. Procedia Computer Science, 62:312-–318, Elsevier, 2015. (Scopus|Elsevier) (2014 SNIP 0.705)

[C.4] Tomas Cerny and Michael J.Donahoo. Separating out Platform-independent Particles of User Interfaces. Information Science and Applications, LNEE, pages 941–948, Springer Berlin Heidelberg, 2015. (to be WOS)

[C.5] Tomas Cerny, Lubos Matl, Karel Cemus and Michael J.Donahoo. Evaluation of Separated Concerns in Web-based Delivery of User Interfaces. Information Science and Applications, LNEE, pages 933–940, Springer Berlin Heidelberg, 2015. (to be WOS)

[C.6] Tomas Cerny Miroslav Macik, Michael J. Donahoo. and Jan Janousek. Efficient Description and Cache Performance in Aspect-Oriented User Interface Design. In Proceedings of the 2014 Federated Conference on Computer Science and Information Systems, FedCSIS, volume 2, pages 1667–1676. IEEE Computer Society Press and Polish Information Processing Society, 2014. (WOS)

[C.7] Karel Cemus and Tomas Cerny. Aspect-driven design of information systems. In SOFSEM 2014: Theory and Practice of Computer Science, LNCS 8327, volume 8327, pages 174–186. Springer International Publishing Switzerland 2014, 2014. (WOS)

[C.8] Tomas Cerny, Petr Praus, Slavka Jaromeska, Lubos Matl and Michael J. Donahoo. Towards a Smart, Self-scaling Cooperative Web Cache. In SOFSEM 2012: Theory and Practice of Computer Science, LNCS 8327, pages 443–455. Springer International Publishing 2012, 2012. (WOS)

[C.9] Tomas Cerny, Vaclav Chalupa, Lukas Rychtecky, and Tomas Linhart. Machine-driven code inspection to reduce restated information. In Lecture Notes in Information Technology, 2012. (WOS)

[C.10] Petr Praus, Slavka Jaromerska and Tomas Cerny. SScAC: towards a framework for small-scale software architectures comparison. SOFSEM 2011: Theory and Practice of Computer Science., pages 482-493, Springer, 2011. (WOS)

[C.11] Karel Cemus, Filip Klimes and Tomas Cerny. Aspect-driven Context-aware Services. In Proceedings of the 2017 Federated Conference on Computer Science and Information Systems, FedCSIS, volume 11, pages 1307–-1314, IEEE Computer Society Press and Polish Information Processing Society, 2017. (WOS).

[C.12] Karel Cemus and Tomas Cerny. Business Documentation Derivation from Aspect-driven Enterprise Information Systems. In Proceedings of the 2016 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 153–158. (WoS)

[C.13] Tomas Cerny, Michal Trnka and Michael Jeff Donahoo. Towards Shared Security through Distributed Separation of Concerns. In Proceedings of the 2016 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 169–172. (WoS)

[C.14] Jiri Sebek, Tomas Cerny and Karel Richta. Adaptive Application Structure Design for Java EE Applications. In Proceedings of the 2016 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 159–164. (WoS)

[C.15] Michal Trnka and Tomas Cerny. Identity management of devices in Internet of Things environment. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 307–310, IEEE, 2016. (WoS)

[C.16] Jan Helbich and Tomas Cerny. Energy impact of web user interface technology on mobile devices. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 190–192, IEEE, 2016. (WoS)

[C.17] Filip Rysavy, Tomas Cerny and Jiri Sebek. Aspect-Oriented User Interfaces Design Integration to Angular 2 Framework. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 187–189, IEEE, 2016. (WoS)

[C.18] Karel Cemus, Filip Klimes, Ondrej Kratochvil and Tomas Cerny. Distributed Multi-platform Context-aware User Interface for Information Systems. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 172–175, IEEE, 2016. (WoS)

[C.19] Martin Tomasek, and Tomas Cerny. Context-Aware User Interface Field Classification. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 130–134, IEEE, 2016. (WoS)

[C.20] Zdenek Brabec, Tomas Cerny and Martin Tomasek. On Metadata Extension to Derive Data Presentations with Angular 2. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 183–186, IEEE, 2016. (WoS)

[C.21] Jiri Sebek and Tomas Cerny. AOP-based approach for local data management in adaptive interfaces. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 120–124, IEEE, 2016. (WoS)

[C.22] Tomas Cerny and Michael Jeff Donahoo. Survey On Second Screen Systems. Proceedings of the 6th International Conference on IT Convergence and Security, 2016., pages 178–182, IEEE, 2016. (WoS)

[C.23] Lubos Matl, Tomas Cerny and Michael J.Donahoo. Effective manycast messaging for Kademlia network In Proceedings of 30th ACM Symposium On Applied Computing (SAC '15), ACM, New York, NY, USA, pages 646–652, 2015. (WoS)

Conference papers:

[C.24] Tomas Cerny, Filip Sedlisky, Michael J.Donahoo. Survey on Compromise-defensive System Design. Information Science and Applications 2018: ICISA 2018, LNEE, pages XXX–XXX to be published, Springer Singapore, 2018 (Scopus).

[C.25] Michal Trnka, Filip Rysavy, Tomas Cerny, Nathaniel Stickney. Using Wi-Fi enabled Internet of Things devices for context-aware authentication. Information Science and Applications 2018: ICISA 2018, LNEE, pages XXX–XXX to be published, Springer Singapore, 2018 (Scopus).

[C.26] Jiri Sebek, Petr Vondrus, Tomas Cerny. Degree of similarity of root trees. Information Science and Applications 2018: ICISA 2018, LNEE, pages XXX–XXX to be published, Springer Singapore, 2018 (Scopus).

() - Citation database/indexing : Web of Science (WoS) | Scopus | ACM Digital lib. (ACM DL) | Google Scholar

[C.27] Miroslav Bures, Tomas Cerny, Bestoun S. Ahmedo. Internet of Things: Current Challenges in the Quality Assurance and Testing Methods. Information Science and Applications 2018: ICISA 2018, LNEE, pages XXX–XXX to be published, Springer Singapore, 2018 (Scopus).

[C.28] Tomas Cerny, Michael Jeff Donahoo and Jiri Pechanec. Disambiguation and Comparison of SOA, Microservices and Self-Contained Systems. In Proceedings of the 2017 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages (pending). (Scopus)

[C.29] Miroslav Bures and Tomas Cerny. Static Testing Using Different Types of CRUD Matrices. Information Science and Applications 2017: ICISA 2017, LNEE, pages 594–602, Springer Singapore, 2017 (Scopus).

[C.30] Miroslav Bures, Tomas Cerny and Matej Klima Prioritized Process Test: More Efficiency in Testing of Business Processes and Workflows. Information Science and Applications 2017: ICISA 2017, LNEE, pages 585–593, Springer Singapore, 2017 (Scopus).

[C.31] Michal Trnka and Tomas Cerny Context-aware Security using Internet of Things Devices. Information Science and Applications 2017: ICISA 2017, LNEE, pages 706–713, Springer Singapore, 2017 (Scopus).

[C.32] Michal Trnka and Tomas Cerny On Security Level Usage in Context-aware Role-based Access Control In Proceedings of 31th ACM Symposium On Applied Computing (SAC '16), ACM, New York, NY, USA, 2016. (Scopus)

[C.33] Tomas Cerny and Michael J.Donahoo. Impact of Remote User Interface Design and Delivery on Energy Demand. Information Science and Security (ICISS), 2015 2nd International Conference on, IEEE, pages 1–4, 2015. (Scopus)

[C.34] Jiri Sebek, Michal Trnka and Tomas Cerny On Aspect-Oriented Programming in Adaptive User Interfaces. Information Science and Security (ICISS), 2015 2nd International Conference on, IEEE, pages 1–5, 2015. (Scopus)

[C.35] Michal Trnka and Tomas Cerny. Context-aware Role-based Access Control Using Security Levels. In Proceedings of the 2015 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 280–284. (Scopus)

[C.36] Martin Tomasek and Tomas Cerny. On web services UI in user interface generation in standalone applications. In Proceedings of the 2015 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 363–368. (Scopus)

[C.37] Karel Cemus, Tomas Cerny, Lubos Matl, and Michael J. Donahoo. Enterprise information systems: comparison of aspect-driven and MVC-like Approaches. In Proceedings of the 2015 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 330–336. (Scopus)

[C.38] Karel Cemus, Tomas Cerny, and Michael J. Donahoo. Evaluation of approaches to business rules maintenance in enterprise information systems. In Proceedings of the 2015 Conference on research in adaptive and convergent systems (RACS). ACM, New York, NY, USA, pages 324–329. (Scopus)

[C.39] Tomas Cerny, Michael J. Donahoo, and Eunjee Song. Towards effective adaptive user interfaces design. In Proceedings of the 2013 Research in Applied Computation Symposium (RACS 2013), October 2013. (Scopus)

[C.40] Lubos Matl, Vladimir Kloucek, Viktor Bohdal, Jan Kubr and Tomas Cerny. ELISA: Extensible Layer for Internet Services and Applications. Building Sustainable Information Systems., 309–321, Springer, 2013. (Scopus)

[C.41] Tomas Cerny, Vaclav Chalupa, and Michael J. Donahoo. Towards smart user interface design. In Information Science and Applications (ICISA), 2012 International Conference on, pages 1–6, may 2012. (Scopus)

[C.42] Tomas Cerny, Vaclav Chalupa, and Michael J. Donahoo. Impact of user interface generation on maintenance. In Computer Science and Automation Engineering (CSAE), volume 2, pages 621–625. IEEE, 2012. (Scopus)

[C.43] Tomas Cerny and Michael J. Donahoo. MetaMorPic: Self-contained photo archival and presentation. Information Systems Development., 149–158, Springer New York, 2011. (Scopus)

[C.44] Tomas Cerny and Eunjee Song. Uml-based enhanced rich form generation. In Proceedings of the 2011 Research in Applied Computation Symposium (RACS 2011), pages 192–199, November 2011. (Scopus)

[C.45] Tomas Cerny and Eunjee Song. A profile approach to using uml models for rich form generation. In Information Science and Applications (ICISA), 2010 International Conference on, pages 1–8, 2010. (Scopus)

[C.46] Tomas Cerny and Michael J. Donahoo. Formbuilder: A novel approach to deal with view development and maintenance. In In SofSem 2011 Proceedings of Student Research Forum, pages 16–34. OKAT, January 2011. (Google Scholar)

[C.47] Tomas Cerny and Michael J. Donahoo. How to reduce costs of business logic maintenance. In Computer Science and Automation Engineering (CSAE), 2011 IEEE International Conference on, volume 1, pages 77–82, june 2011. (Scopus)

[C.48] Tomas Cerny, Petr Praus, Slavek Jaromeska, Lubos Matl and Michael J. Donahoo. Cooperative web cache. In Systems, Signals and Image Processing (IWSSIP), 2011 18th International Conference on, pages 1–4, IEEE, 2011. (Scopus)

[C.49] Tomas Cerny and Micheal J. Donahoo. Performance Optimization for Enterprise Web Applications Through Remote Client Simulation. In Proc. of the 7th EUROSIM Congress on Modelling and Simulation, Prague, CZ, volume 2, CTU, Prague, 2010. (Google Scholar)

[C.50] Miroslav Macik, Tomas Cerny, Jindrich Basek, and Pavel Slavik. Platform-aware rich-form generation for adaptive systems through code-inspection. In Human Factors in Computing and Informatics, pages 768–784. Springer Berlin Heidelberg, 2013. (Scopus)

[C.51] Tomas Cerny and Bozena Mannova. Debt Environment in Computer Science Education. In he 3rd International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2012., 1:396–401, 2011. (Google Scholar)

[C.52] Tomas Cerny and Bozena Mannova. Competitive and Collaborative Approach Towards a More Effective Education in Computer Science. In: The 9th Annual Hawaii International Conference on Education., pages 2886–2895, 2011. (Google Scholar)

[C.53] Tomas Cerny and Michael J. Donahoo. A Tool for Evaluation and Optimization of Web Application Performance. In Proceedings of 44th Spring International Conference MOSIS'X., pages 49–54, 2010. (Google Scholar)

[C.54] Tomas Cerny and Michael J. Donahoo. Evaluation and Optimization of Web Application Performance Under Varying Network Conditions. In Proceedings of 44th Spring International Conference MOSIS'X., pages 41–48, 2010. (Google Scholar)

[C.55] Martin Tomasek and Tomas Cerny. Automated User Interface Derivation for Remote Data in Standalone Apps. In Proceedings of the 19th International Scientific Student Conferenece POSTER 2015, Prague, 14, May 2015, Czech Technical University in Prague. (Google Scholar)

[C.56] Karel Cemus and Tomas Cerny. Towards effective business logic design. In Proceedings of the 17th International Scientific Student Conferenece POSTER 2013, Prague, 16, May 2013. Czech Technical University in Prague. (Google Scholar)

[C.57] Lubos Matl and Tomas Cerny. ELISA: Extensible Layer for Internet Services and Applications. Proceedings of the 17th International Scientific Student Conferenece POSTER 2013., 2013. (Google Scholar)

CITATIONS NOTE: SEE THE SPECIFIC PAPER CITATION IN BRACKETS - SOME REFERENCE MULTIPLE PAPERS

[R.1] Hnatkowska B., Gaw□da T. Automatic Processing of Dynamic Business Rules Written in a Controlled Natural Language. Studies in Computational Intelligence., pages 91–103 Springer, 2017. [C.3]

[R.2] Villarrubia G, Paz JF, Iglesia DH, Bajo J. Combining Multi-Agent Systems and Wireless Sensor Networks for Monitoring Crop Irrigation. Sensors 2017., 17, 1775, 2017. [C.3]

[R.3] Urbieta M., Frajberg D., Rossi G. Assessing the impact of Volatile Functionality removal in web applications: Model-Driven vs Code-Based approaches. Software: Practice and Experience., 2017. [J.7] [J.6]

[R.4] Li AX, Lou X, Hansen P, Peng R. Improving the User Engagement in Large Display Using Distance-Driven Adaptive Interface. Interacting with Computers., Oxford University Press, 2015. [C.39]

[R.5] Porubän J, Ba□íková M, Chodarev S, Nosál M. Teaching pragmatic model-driven software development. Computer Science and Information Systems., 2015;12(2):683-705. [C.6]

[R.6] Milorad Filipovi□, Sebastijan Kaplar, Renata Vaderna, □eljko Ivkovi□, Gordana Milosavljevi□, Igor Dejanovi□ Aspect-Oriented Engines for Kroki Models Execution. Journal of Display Technology., 2016. [C.6] [J.12]

[R.7] Paliokas I., Segkouli S., Tzovaras D., Karagiannidis C. A dynamic interface adaptation approach for accessible immersive environments. 10th International Conference on Interfaces and Human Computer Interaction (IHCI), Multiconference on Computer Science and Information Systems (MCCSIS 2016), At Madeira, Portugal., 2015. [J.12]

[R.8] L Nikoli□, G Milosavljevi□, I Dejanovi□. Framework for Web application development based on Java technologies and AngularJS. 6th International Conference on Information Society and Technology ICIST 2016., 2016. [J.12]

[R.9] J Šebek, K Richta Usage of Aspect-Oriented Programming in Adaptive Application Structure. New Trends in Databases and Information Systems: ADBIS 2016 Short Papers and Workshops, BigDap, DCSA, DC, Prague, Czech Republic, August 28-31, 2016, Proceedings., 2016. [J.12]

[R.10] Li AX, Lou X, Hansen P, Peng R. On the Influence of Distance in the Interaction with Large Displays. ICIST 2015 5th International Conference on Information Society and Technology., 2015. [C.39]

[R.11] Elena Vildjiounaite, Georgy Gimel'farb, Vesa Kyllönen, and Johannes Peltola. Lightweight Adaptation of Classifiers to Users and Contexts: Trends of the Emerging Domain. The Scientific World Journal, volume 2015, pages 1-29, 2015. [J.8]

[R.12] Saad Masood Butt, Mazlina Abdul Majid, Suziyanti Marjudi, Shahid Masood Butt, Azura Onn, Moaz Masood Butt. CASI METHOD FOR IMPROVING THE USABILITY OF IDS. Sci.Int.(Lahore). SCIENCE INTERNATIONAL-(Lahore), pages 275-286, 2015. [J.8]

[R.13] K. Santhi, G. Zayaraz and V. Vijayalakshmi. Resolving Aspect Dependencies for Composition of Aspects. Arabian Journal for Science and Engineering., Springer Berlin Heidelberg, pages 1-12, 2014. [C.7]

[R.14] Gulley, O. David, and Aaron L. Jackson. Teaching a Class Dedicated to the College Fed Challenge Competition. Eastern Economic Journal., Nature Publishing Group, 2015. [J.13]

[R.15] Wicaksono, Soetam Rizky. Implementation of Collaborative Learning in Higher Education Environment. Journal of Education and Learning., 7(4):219–222, 2013. [J.13]

[R.16] Armas, Audrius and Šniras, Šar□nas. Interdependence-based model consistency among competition, cooperation and collaboration. □urnalas „Ugdymas. K□no kult□ra. Sportas "leid□iamas nuo 1968 m.(ankstesnis pavadinimas–mokslo darbai „K□no kult□ra ")., 2013. [J.13]

[R.17] Milorad Filipovid, Sebastijan Kaplar, Renata Vaderna, □eljko Ivkovid, Gordana Milosavljevic and Igor Dejanovid. Aspect-Oriented Engines for Kroki Models Execution. 5th International Conference on Information Society and Technology (ICIST 2015)., pages 1-6, 2015. [C.6] [J.12]

[R.18] Jiri Sebek, Karel Richta Aspect-oriented user interface design for Android applications. Proceedings of the Dateso 2015 Workshop., 2015. [C.39] [J.12] [C.44]

[R.19] P. Biswas, PM Langdon, J Umadikar, S Kittusami and S Prashant. How interface adaptation for physical impairment can help able bodied users in situational impairment. Inclusive Designing. Springer International Publishing, pages 49-58, 2014. [C.50]

[R.20] Joaqu□n Canadas, José Palma, and Samuel Túnez. Model-Driven Rich User Interface Generation from Ontologies for Data-Intensive Web Applications. In Proceedings of 7th Workshop on Knowledge Engineering and Software Engineering (KESE7)., 2011. [C.45]

[R.21] Armas, Audrius. Tarpusavio priklausomybes prielaida pagr□sto konkuravimo, kooperavimo ir bendradarbiavimo derinimo modelio taikymas sporte. Sportin□ darbingum□ lemiantys veiksniai (V)., 2012. [J.13]

[R.22] Kyle A. Martin and Joseph J. LaViola Jr. The Transreality Interaction Platform: Enabling Interaction Across Physical and Virtual Reality. 2016 IEEE International Conference on Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData), 2016. [J.8]

[R.23] Pawe□ Kap□a□skia, Alessandro Seganti, Krzysztof Cie□li□skia, Aleksandra Chrabrowaa and Iwona □ugowskac, Automated Reasoning Based User Interface Expert Systems with Applications, Volume 71, 1 April 2017, pages 125––137, 2017 [J.9]

[R.24] Stan Jarzabek and Kuldeep Kumar, On Interplay between Separation of Concerns and Genericity Principles: Beyond Code Weaving. Computer Science and Information System, 13(3):pages 731––758, 2016 [J.7] [J.5] [J.9] [J.8] [C.4]

[R.25] Miroslav Macik, Automatic User Interface Generation. Doctoral Disertation Thesis, FEE, CTU in Prague, June, 2016 [C.39] [C.44] [C.41] [J.9]

[R.26] Dey, P. P., Sinha, B. R., Romney, G. W., Amin, M., and Badkoobehi, H. Innovative User Interface Engineering. International Conference on Innovative Engineering Technologies, 2014 [J.12]

[R.27] DIzzat Alsmadi. User Interface Design in Isolation from Underlying Code and Environment. Design Solutions for User-Centric Information Systems, 2016 [J.6]

[R.28] David Weber. A Constraint-Based Approach to Data Quality in Information Systems. Doctoral Disertation Thesis, ETH Zurich, 2017 [C.7] [J.12] [C.39] [C.21]

[R.29] A. S. M. Kayes, Wenny Rahayu, Tharam Dillon, Elizabeth Chang, Jun Han. Context-Aware Access Control with Imprecise Context Characterization Through a Combined Fuzzy Logic and Ontology-Based Approach. On the Move to Meaningful Internet Systems. OTM 2017 Conferences, 2017 [C.32]

[R.30] H. Yousaf. Internet of Things: "A panoramic observation". 2017 International Conference on Communication Technologies (ComTech), 2017 [C.15]

[R.31] Zaigham Mushtaq, Ghulam Rasool, Balawal Shahzad. Detection of J2EE Patterns based on Customizable Features. (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 8, No. 1, 2017 [C.2]

[R.32] Karel Frajtak, Miroslav Bures, Ivan Jelinek. Exploratory testing supported by automated reengineering of model of the system under test Features. Cluster Computing Journal, 20(1):855-–865, Springer US, February 2017 [J.7] [J.6]

[R.33] Yajun Liu. Analysis and Application of Interface Design Elements for Mobile Platform. 2016 International Conference on Smart City and Systems Engineering (ICSCSE), 2016 [J.7]

[R.34] S. Ahmad, M. Rahman, M. H. Khan and M. S. Umar. A novel framework for adaptive user interface. 2015 Communication, Control and Intelligent Systems (CCIS), 2015. [C.39]

[R.35] Xinghua Wang, Matthew P. Wallace, Qiyun Wang. Rewarded and unrewarded competition in a CSCL environment: A coopetition design with a social cognitive perspective using PLS-SEM analyses. Computers in Human Behavior, 72:140–151, 2017. [J.13]

[R.36] Enrique Guzmán-Ramírez, Ivan Garcia, Carlos González, Manuel Mendoza-Manzano. Teaching real-time video processing theory by using and FPGA-based educational system and the ”Learning-by-doing” method. Computer Applications in Engineering Education, 25(3):376–391, 2017. [J.13]

[R.37] Nick Peter Winder, Hans G Liljenström. COMPLEX Project Final Report Volume 2: Non-Linearities and System Flips. Human Nature Series, Sigtunastiftelsen, Sigtuna, Sweden, 1–282, 2016. [C.41]

[R.38] Jaime A. Riascos,Luciana P. Nedel, Dante C. Barone. An Adaptive User Interface Based on Psychological Test and Task-Relevance. Computational Neuroscience: First Latin American Workshop, LAWCN 2017, Porto Alegre, Brazil, 143–155, 2017. [C.41]

[R.39] Saad Masood Butt Improvisation in the processes of intrusion detection system through CAII. Int. J.Soft Computing and Networking, , Vol. X, No. Y, pp.xxx–xxx., 2016 (in press). [J.8]