

LIST OF PUBLICATIONS

BOOK CHAPTERS, MONOGRAPHS AND REPORTS

1. Novak, J., Drenska, K., Koroleva, K., Pfahler, L., Marin, L., Möller, J., Özgöbek, Ö., Willemsen, M., Dersch, D., Das, E., Larson, M., Morik, K., ***Towards Reflective AI: Needs, Challenges and Directions for Future Research***, European Institute for Participatory Media, August 2021, DOI: <https://zenodo.org/record/5345643>
2. Novak, J., Grey, F., Mondardini, R., ***Citizen engagement and collective intelligence for participatory Digital Social Innovation***, in Bonn, A., Haklay, M., Hecker, S., Bowser, A., Makuch, Z., Vogel, J. (eds), Citizen Science – Innovation in Open Science, Society and Policy, UCL Press, October 2018
3. Castelletti, A., Cominola, A., Facchini, A., Giuliani, M., Fraternali, P., Herrera, S., Melenhorst, M., Micheel, I., Novak, J., Pasini, C., Rizzoli, A.E., Rottondi, C. ***Gamified approaches for Water Management Systems: an Overview***. In Water Smart Grids – A Cyber- Physical Approach, CRC Press, 2017
4. Novak, J., ***Collective Action and Human Computation: From Crowd-Workers to Social Collectives***, in Michellucci, P. (Ed.), *Handbook of Human Computation*, Springer, November 2013
5. Guerrero, C., Novak, J. et al. (contributors): ***User-generated content Creation***, in European Commission (Ed.), *User-Centric Media: Future and Challenges in European Research*, Whitebook, EU-IST Expert Group on User-Centric Media, DG Information Society, Networked Media Unit, October 2007, ISBN 978-92-79-06865-2
6. Achilleopoulos, N., Novak, J. et al. (contributors): ***Personalised Access to Media Systems***, in European Commission (Ed.), *User-Centric Media: Future and Challenges in European Research*, Whitebook, EU-IST Expert Group on User-Centric Media, DG Information Society, Networked Media Unit, October 2007, ISBN 978-92-79-06865-2
7. Novak, J.; ***Collaborative Knowledge Visualisation for Cross-Community Knowledge Exchange***, doctoral dissertation, online publication, University of Duisburg-Essen, 2006
8. Novak, J.; Wurst, M: ***Collaborative Knowledge Visualisation for Cross-Community Learning***, in Tergan, S. and Keller, T. (eds), *Knowledge Visualization and Information Visualization*, Springer Lecture Notes in Computer Science, Nov. 2004
9. Paal, S., Novak, J., Freisleben, B.; ***Kollektives Wissensmanagement in virtuellen Gemeinschaften***, in Gendolla, P.; Schäfer, J. (Hrsg.), *Wissensprozesse in der Netzwerkgesellschaft*, Transcript-Verlag, Dez. 2004
10. Novak, J.; ***Development of Models and Paradigms for Interactive Environments***, GMD Research Series, St. Augustin, 2000 (*Monographie*)

PEER-REVIEWED ARTICLES IN SCIENTIFIC JOURNALS

11. Cominola, A., Giuliani, M., Castelletti, A., Fraternali, P., Herrera Gonzalez, S.L., Guardiola Herrero, J. C., Novak, J., Rizzoli, A.E., ***Long-term water conservation is fostered by smart meter-based feedback and digital user engagement***. npj Clean Water 4, 29 (2021). <https://doi.org/10.1038/s41545-021-00119-0> (npj = Nature partner journal, Springer)
12. Böckle, M., Bick, M., Novak, J., ***A Design Theory of User-centred Score Mechanics for Gamified Competence Development, Information Systems Management*** (accepted, to appear in Q4 2021)
13. Koroleva, K., Novak, J., ***How to Engage with Sustainability Issues We Rarely Experience? A Gamification Model for Collective Awareness Platforms in Water-related Sustainability***, *Sustainability* 12 (2), 712, 2020
14. Koroleva, K., Melenhorst, M., Novak, J., Gonzalez, S.L.H., Fraternali, P., Rizzoli, A.E., ***Designing an integrated socio-technical behaviour change system for energy saving***. *Energy Informatics* 2, 30 (2019)
15. Fraternali, P., Cellina, F., Gonzales, S.L.H., Melenhorst, M., Novak, J., Pasini, C., Rottondi, C., Rizzoli, A.E., ***Visualizing and gamifying consumption data for resource saving: challenges, lessons learnt and a research agenda for the future***, *Energy Informatics* 2, 22 (2019)

16. Becker, M., Novak, J., Drenska, K., Fernandez, T.: *Developing a Collective Awareness Platform for Urban Sustainability Challenges: Case Study of the POWER Project*, European Journal of Sustainable Development, 8(4), 214 (2019)
17. Novak, J., Melenhorst M., Micheel, I., Pasini, C., Fraternali, P., Rizzoli, A.E., ***Integrating behavioural change and gamified incentive modelling for stimulating water saving***, Environmental Modelling and Software, Vol. 102, Apr 2018, pp. 120-137, ISSN 1364-8152
18. Albertarelli, S. Fraternali, P., Herrera, S., Melenhorst, M., Novak, J., Pasini, C., Rizzoli, A.E., Rottondi, C., *A Survey on the Design of Gamified Systems for Energy and Water Sustainability*, Games, 2018, 9(3), 38
19. Rizzoli, A.E., Castelletti, A., Fraternali, P., Novak, J., *Demo Abstract: SmartH2O, demonstrating the impact of gamification technologies for saving water*, Computer Science Research and Development (2018) 33: 275, Springer
20. Dini, L., Galanski, C., Döpfmer, S., Gehrke-Beck, S., Bayer, G., Boeckle, M., Micheel, I., Novak, J., Heintze, C., *Online Platform as a Tool to Support Postgraduate Training in General Practice – A Case Report. GMS Journal for Medical Education*, 34(5), Doc59, November 2017
21. Bayer, G., Galanski, C., Dini, L., Micheel, I., Novak, J., Heintze, C., *Nutzerverhalten auf der hausärztlichen Online-Weiterbildungsplattform „KOLEGEA“*; ZFA – Zeitschrift für Allgemeinmedizin, 93 (4), April 2017
22. Semertzidis, T., Novak, J., Lazaridis, M., Melenhorst, M., Micheel, I., Michalopoulos, D., Böckle, M., Strintzis, M. G., Daras, P., ***A Crowd-powered System for Fashion Similarity Search***, ACM Transactions on Intelligent Systems and Technology, Special Issue Crowd in Intelligent Systems, Vol 7, Issue 4, March 2016
23. Novak, J., Schröder, S., Böckle, M., Verheyen, P., Ziebarth, S., Hoppe, U., Kötteritzsch, A., Ziegler, J., Heintze, C., *Entwicklung mobiler Anwendungen für nutzergeneriertes Wissen in der ärztlichen Weiterbildung*, iCom – Zeitschrift für interaktive und kooperative Medien, Vol. 13, Issue 1, 2013, Oldenbourg-Verlag
24. Novak, J., Schwabe, G., *Designing for reintermediation in the brick-and-mortar world: Towards the travel agency of the future*, Electronic Markets Journal, Vol. 19, Issue 1, Springer, March, 2009
25. Novak, J., Voigt, B., *Mashups: Strukturelle Eigenschaften und Herausforderungen von End-User Development im Web 2.0*, i-com – Zeitschrift für interaktive und kooperative Medien, 1/2007, Oldenbourg-Verlag
26. Novak, J.; Wurst, M.; *Supporting Knowledge Creation and Sharing in Communities based on Mapping Implicit Knowledge*, Journal of Universal Computer Science, Special Issue Communities of Practice, Springer, 03/2004
27. Novak, J.; Wurst, M.; Kunz, C; *Entdeckung und Nutzbarmachung von stillem Wissen in heterogenen Experten-Gemeinschaften*, i-com - Zeitschrift für interaktive und kooperative Medien, 3/2003, Oldenbourg-Verlag

PEER-REVIEWED ARTICLES IN PROCEEDINGS OF SCIENTIFIC CONFERENCES

28. Grimaldo, A., Novak, J.: ***Explainable Needn't Be (Much) Less Accurate: Evaluating an Explainable AI Dashboard for Energy Forecasting***. In IFIP International Conference on Artificial Intelligence Applications and Innovations (pp. 340-351). Springer, Cham.
29. Grimaldo, A.I., Novak, J., ***Combining Machine Learning with Visual Analytics for Explainable Forecasting of Energy Demand in Prosumer Scenarios***, Proc. of 10th International Conference on Sustainable Energy Information Technology (SEIT 2020), Procedia Computer Science, Volume 175, pp. 525-532, 2020
30. Grimaldo, I., Novak, J.: *User-Centered Visual Analytics Approach for Interactive and Explainable Energy Demand Analysis in Prosumer Scenarios*, In: Tzovaras D., Giakoumis D., Vincze M., Argyros A. (eds) Computer Vision Systems. ICVS 2019. Lecture Notes in Computer Science, vol 11754. 2019, Springer, Cham
31. Koroleva, K., Miranda, D., van Bers, C., Novak, J.: *Designing for multi-stakeholder analysis of trade-offs in water-energy-food nexus*, Proceedings of the 19th international conference on Critical Issues in Science, Technology and Society Studies (STS'19), May 2019

32. Novak, J., Melenhorst, M., Micheel, I., Fraternali, P., Pasini, C., Herrera, S., Hidasi, B., *Stimulating energy-saving behaviour through eco-feedback, adaptive gamification and personalized recommendations*, Proceedings of BEHAVE 2018 – 5th European Conference on Behaviour and Energy Efficiency, Zurich, Sept 2018
33. Melenhorst, M., Koroleva, K., Novak, J., *Metaphorical Visualizations of Energy Saving Impact for Behavioural Change: A Goal-Framing Approach and Results from an Online Crowd Evaluation*, Proceedings of BEHAVE 2018 – 5th European Conference on Behaviour and Energy Efficiency, Zurich, Sept 2018
34. Böckle, M., Micheel, I., Bick, M., Novak, J., *A Design Framework for Adaptive Gamification Applications*, Proceedings of the 51st Hawaii International Conference on System Sciences 2018 (HICSS), Hawaii, USA, January 2018
35. Fraternali, P., Herrera, S., Novak, J., Melenhorst, M., Tzovaras, D., Kinidis, S., Rizzoli, A.E., Celina, F., *enCOMPASS – an Integrative Approach to Behavioural Change for Energy Saving*, Proc. of Global Internet of Things Summit (GIoTS) 2017, CICG, Geneva, June 2017.
36. Böckle, M., Novak, J., Bick, M., *Towards Adaptive Gamification: A Synthesis of Current Developments*, Proceedings of the 25th European Conference on Information Systems (ECIS), Guimarães, Portugal, June 5-10, 2017
37. Novak, J., Melenhorst, M., Micheel, I., Pasini, C., Fraternali, P., Rizzoli, A.E., 2016. *Behaviour change and incentive modelling for water saving: first experiences from the SmartH2O project*. Proceedings of the 8th International Congress on Environmental Modelling and Software – iEMSs 2016, Toulouse, 2016
38. Motajcsek, T., Le Moine, J.-Y., Cremonesi, P., Dobrajs, K., Hopfgartner, F., Garzotto, F., Göker, A., Kohlsdorf, D., Demetriou, A., Larson, M., Lommatzsch, A., Malagoli, D., Thuy, N. N., Novak, J., Ricci, F., Scriminaci, M., Tikk, D., Tkalcic, M., Zacchi, A., and Alonso, O.: **Algorithms Aside: Recommendation as the Lens of Life**. In Proc. of ACM RecSYS 2016: 10th **ACM Conference on Recommender Systems**, Boston, MA, Sept. 2016
39. Lazaridou, P., Ntalla, A., Novak, J., *Behavioural role analysis for multi-faceted communication campaigns in Twitter*. Proceedings of the 8th ACM Conference on Web Science (WebSci '16). ACM, New York, NY, USA, 344-345.
40. Melenhorst, M., Novak, J., Micheel, I., Larson, M., Boeckle, M., *Bridging the Utilitarian-Hedonic Divide in Crowdsourcing Applications*, Proc. of CrowdMM '15 – Fourth International Workshop on Crowdsourcing for Multimedia at ACM Multimedia 2015, ACM MM Workshop Proceedings, ACM Press, October 2015
41. Micheel, I., Novak, J., Fraternali, P., Baroffio, G., Castelletti, A., Rizzoli, A.E., *Visualizing & Gamifying Water & Energy Consumption for Behavior Change*, Proc. of Workshop on Fostering Smart Energy Applications (FSEA) 2015 at INTERACT 2015, Bamberg, Germany; 09/2015
42. Fraternali, P., Baroffio, G., Galli, L., Micheel, I., Novak, J., Rizzoli, A., *Integrating real and digital games with data analytics for water consumption behavioral change: a demo*, Proc. IEEE Utility and Cloud Computing 2015, Limassol, 12/2015
43. Böckle, M., Novak, J., *Explorative analysis of applying collaborative visual annotations in online discussions to support the ideation of products or services*. In: Proceedings of 19th IEEE Conference on Computer Supported Cooperative Work in Design (CSCWD), May, 2015, Calabria, IEEE, DOI: 10.1109/CSCWD.2015.7230951
44. Novak, J., Wieneke, L., Düring, M., Micheel, I., Melenhorst, M., Morón, J.G., Pasini, C., Tagliasacchi, M., Fraternali, P.: *histoGraph – A Visualization Tool for Collaborative Analysis of Historical Social Networks from Multimedia Collections*, In: Proceedings of 18th International Conference Information Visualisation (IV), 2014, Paris, France
45. Schröder, S., Novak, J.: *MediMatrix: An Interface for Visualizing Learner-Generated Patient Case Collections in Postgraduate Medical Training*, In: Proceedings of 18th International Conference Information Visualisation (IV), 2014, Paris.
46. Wieneke, L., Sillaume, G, Düring, M., Pasini, C., Fraternali, P., Tagliasacchi, M., Melenhorst, M., Novak, J., Micheel, I., Harloff, E., Garcia Moron, J., Lallemand, C., Vincenzo, C., Lazzaro, M., Nucci, F., *Building the social graph of the*

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47. Harou, J.J., Garrone, P., Rizzoli, A.E., Maziotis, A., Castelletti, A., Fraternali, P., Novak, J., Wissmann-Alves, R., Ceschi, P.A., *Smart metering, water pricing and social media to stimulate residential water efficiency: opportunities for the SmartH2O project*. In Proceedings of International Conference on Water Distribution Systems Analysis (WDSA 2014), July 14-17, 2014, Bari, Italy.
48. Rizzoli, A.E., Castelletti, A., Cominola, A., Fraternali, P., Diniz dos Santos, A., Storni, B., Wissmann- Alves, R., Bertocchi, M., Novak, J., Micheel, I., *The SmartH2O project and the role of social computing in promoting efficient residential water use: a first analysis*. In Proceedings of the 7th International Congress on Environmental Modelling and Software, June 15-19, 2014, San Diego, California, USA. ISBN: 978-88-9035-744-2.
49. Novak, J., Fraternali, P., Daras, P., Jaimes, A., Klein, M. (Eds), *Social Media for Crowdsourcing and Human Computation*, Proc. of SoHuman 2013 – 2nd International Workshop on Social Media for Crowdsourcing and Human Computation at ACM WebScience 2013 (co-located with CHI 2013, ECRC 13), eWIC-BCS (ACM Digital Library)
50. M. Dionisio, P. Fraternali, E. Harloff, D. Martinenghi, I. Michell, J. Novak, C. Pasini, M. Tagliasacchi, S. Zagorac, *Building Social Graphs from Images through Expert-based Crowdsourcing*, Proc. of SoHuman 2013 – 2nd Intl. Workshop on Social Media for Crowdsourcing and Human Computation at ACM WebScience2013, Paris
51. Ziebarth, S., Kötteritzsch, A., Hoppe, H.U., Dini, L., Schröder, S., Novak, J., ***Design of a Collaborative Learning Platform for Medical Doctors specializing in Family Medicine***, Proc. CSCL 2013, Short Paper, Taiwan, 2013
52. Böckle, M., Schröder, S., Novak, J., *Collaborative Visual Annotations For Knowledge Exchange in Practical Medical Training*, Proc. of ECTELmeetsECSCW - Workshop on Collaborative Technologies for Working and Learning at ECSCW 2013 – European Conf. on Computer-supported Coop. Work, Cyprus, 2013, <http://ceur-ws.org/Vol-1047>
53. Wieneke, L., Sillaume, G., Lallemand, C., Novak, J., Micheel, I., Morón, J.G., Lazzaro, M., Croce, V.: ***Combining human and machine computation for the digital humanities***, Demonstration in the Poster Session of IEEE MMSP 2013 - International Workshop on Multimedia Signal Processing, 30 September – 2 October 2013, Pula
54. Wieck, E., Novak, J.: *Towards a User-centered Ubiquitous Customer Feedback Elicitation Framework*. Proc. of ICEIS 2012 – the 14th International Conference on Enterprise Information Systems (3) 2012: 269-272
55. Galli, L., Fraternali, P., Martinenghi, D., Tagliasacchi, M., Novak, J.: ***A Draw-and-Guess Game to Segment Images***. In Proc. of ASE/IEEE SocialCom/PASSAT 2012: 914-917, IEEE Computer Society Press, 2012
56. Novak, J., Ziegler, J., Hoppe, U., Holzinger, A., Heintze, C., Böckle, M.: *Mobile Anwendungen für Medizin und Gesundheit*. Proc. of Mensch & Computer 2012, Workshopband: p. 227-230
57. Novak, J., Böckle, M., Ziebarth, S.: *Entwicklung mobiler Anwendungen für situatives Wissen in der Medizin*. Proc. of Mensch & Computer 2012, Workshopband: p. 247-260
58. Novak, J.; Preuße, S., *Designing Visual Systems for Social Data Analysis in Open Government Applications*, In: Proc. of the Workshop “Data-centric Interactions on the Web” at INTERACT 2011, Intl. Conf. on Human-Computer Interaction, Lissabon, WS-CEUR, Vol. 817, Dec 2011
59. Novak, J., Schmidt, S., *When Joy Matters: The Importance of Hedonic Stimulation in Collocated Collaboration with Large-Displays*, Proc. of INTERACT 2009, 12th IFIP Conference on Human-Computer interaction, Uppsala, Aug 2009
60. Novak, J. ***Mine, Yours...Ours? Designing for Principal-Agent Collaboration in Interactive Value Creation***, Proc. of Wirtschaftsinformatik 2009, Vienna, February 2009
61. Novak, J., Schmidt, S., Aggeler, M., Schwabe, G., *Kooperative Medienumgebungen für das Reisebüro der Zukunft*, Proc. der Mensch & Computer 2008, Lübeck, Sept. 2008

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62. Novak, J., Aggeler, M., Schwabe, G., *Designing Large-Display Workspaces for Cooperative Travel Consultancy*, Proc. ACM CHI 2008, International Conf. on Human Factors in Computing Systems, Extended Abstracts and Applications (Work-in-Progress), April 5-10, Florence, 2008, ACM Press
63. Aschoff, R., Novak, J., *The Mobile Campfire: A New User Paradigm for Mobile Social Web Scenarios*, Proc. of IEEE Human-System Interaction Conference, Krakow, May, 2008, IEEE Press / IEEE Digital Library
64. Aschoff, M., Novak, J., *The Mobile Forum: Real-Time Information Exchange in Mobile SMS Communities*, Proc. of ACM CHI 2008, Extended Abstracts and Applications (Work-in-Progress) April 5-10, Florence, 2008, ACM Press
65. Schwabe, G., Novak, J., Aggeler, M., *Designing the Tourist Agency of the Future*, 21st Bled eConference on eCollaboration: Overcoming Boundaries through Multi-Channel Interaction, Bled, June 2008
66. Novak, J.; *Challenges and Opportunities for Visual Exploratory Search in User-generated Media Content Collections*, ACM CHI 2007, Workshop on Explorative Search Interfaces, Workshop Proc. published in ACM Digital Library, May 2007
67. Novak, J., *Multiperspektivische Wissensvisualisierung für Wissensaustausch in heterogenen Inter-Community Netzwerken*, Wirtschaftsinformatik 2007, Karlsruhe, Feb/March 2007.
68. Novak, J., *Helping Knowledge Cross Boundaries: Using Knowledge Visualization to Support Cross-Community Sensemaking*, Proc. of HICSS-40, Hawaii International Conference on System Sciences, Hawaii, Jan 02-06, 2007
69. Novak, J., Voigt, B., *Mashing-up mashups: from collaborative mapping to community innovation toolkits*, 2006; Proc. of MCIS 06 - Mediterranean Conference on Information Systems, Venice, October 05-08, 2006.
70. Novak, J.; *Opportunities and Challenges of Socially-Conscious Consumer Support Systems in the Augmented Supermarket*, Proc. of 1st Intl. Workshop on Social-Implications of Ubiquitous Computing, ACM CHI 05, Portland (OR), USA, April 2005
71. Novak, J.; Wurst, M.: *Knowledge Explorer: An Interactive Tool for Supporting Cross-Community Discovery and Sharing of Knowledge*, Proc. of HCI International 2005, Lawrence Erlbaum Publishers, July 2005
72. Novak, J.; *Social Computing in the "Real World": Collaborative Knowledge Creation in the Augmented Supermarket*, Proc. of HCI International 2005, Las Vegas, Lawrence Erlbaum, July, 2005
73. Novak, J.; Cuel, R.; Sarini, M.; Wurst, M.; ***A tool for supporting knowledge creation and exchange in knowledge intensive organisations***, Proc. of I-KNOW 04, 4th International Conf. on Knowledge Management, Graz, Springer & Co., July 2004
74. Novak, J.; Kunz, C.; Wurst, M.; *Supporting Innovation by Facilitating Knowledge Exchange in Heterogeneous Expert Communities based on Visualisation and Utilization of Tacit Knowledge*, Proc. of CINet 2004, 5th Intl. Conference on Continuous Innovation, Sydney, Sept., 2004
75. Wurst, M., Novak, J., *Agent-based Knowledge Sharing in Heterogeneous Expert Communities - A Machine Learning Perspective*, Proc. of Agent-Mediated Knowledge Management Workshop, 16th European Conference on Artificial Intelligence (ECAI-04), Valencia, Spain 2004
76. Novak, J.; Wurst, M.; Kunz, C; Morik, K.; Ziegler, J.; Fleischmann, M.; Strauss, W.; *Verbindung heterogener Experten-Communities durch die Entdeckung, Visualisierung und Nutzbarmachung von stillem Wissen – das AWAKE Projekt*, in Proc. Mensch & Computer 2003, Stuttgart, Sept. 2003
77. Novak, J.; Wurst, M.; Schneider, M.; Fleischmann, M.; Strauss, W.; ***Discovering, visualizing and sharing knowledge through personalized learning knowledge maps – an agent-based approach***, Proc. of **AAAI Symposium on Agent-Mediated Knowledge Management**, American Assoc. for Artificial Intelligence, Springer Lecture Notes in Comp. Science, Springer, 2003

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78. Novak, J.; Fleischmann, M.; Strauss, W.; Wurst, M.; Morik, K.; Ziegler, J.; Kunz, C.; ***Augmenting the knowledge bandwidth and connecting heterogeneous expert communities through uncovering tacit knowledge***, Proc. of IEEE Knowledge Media Networking 2002, IEEE Computer Society Press, CRL, Kyoto, July 2002

79. Fleischmann, M., Strauss, W., Novak, J. et al., *Knowledge Discovery and Memory Space as Asymmetric Information - the Architecture of the Internet Media Lab netzspannung.org*, Proc. of IEEE Computer Animation 2002, IEEE Comp. Soc. Press, 2002
80. Novak, J.; Peranovic, P.; *Supporting Experiential Learning through Online/Onsite Interaction and Collaborative Use of Mobile Devices*, Workshop on Interaction Design for CSCL in Ubiquitous Environments at Mobile HCI 2004
81. Fleischmann, M.; Strauss, W.; Novak, J.; Paal, S.; Peranovic, P.; Seibert, C.; Schneider, M.: *Metaphors of Navigation for Online Exhibitions & Web Interfaces*; EVA 2002-Electronic Imaging & Visual Arts; Beijing, 2002
82. Novak, J., Fleischmann, M., Strauss, W.; Peranovic, P.; Seibert, C.; *The i2tv System: A Mixed Reality Communication Interface*, Proc. of CONTEL 2001 Int. Conf. on Telecommunications, Zagreb, June 2001
83. Novak, J., Fleischmann, M., Strauss, W.; Valle, C.; Peranovic, P.; Seibert, C; *From Memoria Futura to i2TV: A technological framework and two models for new forms of cultural participation and production in Mixed Realities*; in Proc. of ICHIM 2001, Int. Conf. on Cultural Heritage and Information Technology, Milano, 2001
84. Fleischmann, M.; Strauss, W.; Novak, J.; *netzspannung.org - an Internet media lab for knowledge discovery in mixed realities*, in Proc. of cast01//Living in Mixed Realities, Intl. Conf. on Communication of Art, Science and Technology, Schloss Birlinghoven, Sept. 01
85. Novak, J.; Thomsen, M.; *Drawing Spaces: Experiments in Presence and Awareness of Body and Space in Mixed Realities*, in Proc. of cast01, Intl. Conf. on Communication of Art, Science and Technology, Schloss Birlinghoven, Sept. 01
86. Novak, J., Fleischmann, M., Strauss, W.: *Experiments in new formats for connected communities*, in Proc. of ACM SIGGRAPH 2000, Conference abstracts and applications, ACM Press, July 2000
87. Fleischmann, M.; Strauss, W.; Novak, J.; ***Building up the Mixed Reality Stage***, Proc. of KES2000, Intl. Conference on Knowledge Engineering Systems, Brighton, August 2000
88. Strauss, W.; Fleischmann, M.; Novak, J. et al.: *Staging the space of mixed reality - reconsidering the concept of a multi-user environment*. Proc. ACM VRML 99, 4th ACM Symposium on the Virtual Reality Modeling Language, Paderborn, Germany, pp. 93-98, ACM Press, Feb 1999

OTHER CONTRIBUTIONS IN BOOKS, PROFESSIONAL JOURNALS AND CONFERENCES

89. Novak, J., Hosenen, A.; *Social Media als Katalysator für Innovation*, Swiss IT Magazine, Special Issue "Social Media", May, 2011
90. Novak, J.; *User-Centric Media and Next-Generation Media Ecosystems*, Proc. of NMI 2007, Tagung Neue Medien der Informationsgesellschaft, Alcatel Stiftungs-Verbundkolleg Berlin, June 27-29, 2007
91. Novak, J.; *State of the Art in the Integrated e-Knowledge and e-Learning Delivery Chain*, in Encarnação, J.L.; John, M.; Bendig, T.; Groth, B (Eds); *i-KnowS: Research Roadmap for a European e-Learning and Knowledge Management Infrastructure*, Fraunhofer ICT Group, June 2003, ISBN: 3-8167-6318-9
92. Novak, J.; Ernst, R.: *Mixing realities. Strategies for the Integration of Media Space and Real Space*. In: *netzspannung.org/Journal*, 1, 2001.
93. Novak, J.; Paal, S.: *Distributed System Architectures for Networked Communities (An Interview with Bernd Freisleben)*. In: *netzspannung.org/Journal*, 1, 2001.
94. Fleischmann, M.; Novak, J.; Strauss, W.; Kaliva, E.; Peranovic, P.; *On-line and on-site on equal terms*; i3 magazine - EU Network for Intelligent Information Interfaces, Nr. 7; 2000

INVITED TALKS AND OTHER PRESENTATIONS

1. Novak, J., ***Human-centred AI and Digital Innovations for Sustainability***, Video Lecture for the Sustainability Summer School in Mecklenburg-Vorpommern "Sustain MV", Univ. Greifswald, Univ. Rostock, Hochschule

2. Novak, J., *Intelligente Werkzeuge und erklärbare KI für Energiemanagement in Prosumerszenarien*, Online-Seminar für ASEW - das deutsche Effizienz-Netzwerk der Stadtwerke, 26.05.2021
3. Novak, J., *Menschenzentrierte Künstliche Intelligenz und Digitale Innovationen für die Nachhaltigkeit*, Videovortrag beim HOST KI-Symposium, Hochschule Stralsund, 10.9.2020
4. Novak, J., *A Decision-Analytics Framework and Multi-Perspective Visualization for Participatory WEF Nexus Analysis for Policy Making*, Presentation at Dresden Nexus Conference 2020, Session Towards a Knowledge Agenda for the Nexus, 5.6.2020
5. Novak, J.: *Multi-perspective visualization tools for water-energy-food nexus analysis in multi-stakeholder dialogues*, Resource Nexus Policy & Cluster Workshop. EASME, Brüssel, 29.10.2019
6. Novak, J.; *SIT4Energy - Smart IT for Energy Efficiency and Integrated Demand Management*, Kick-off Meeting Greek-German Projects „Energy“, September 2018, Jülich
7. Novak, J.; *DAFNE in a nutshell – An introduction to the project (DAFNE - Decision analytic framework to explore the water-energy food Nexus in complex transboundary water resource systems of fast developing countries)*, Resource Nexus Policy & Cluster Workshop with EASME, November 2018, Brussels
8. Novak, J.; *Collaborative Visualization: Designing for Multi-Perspectivity*, Invited talk, VASS 2016 – Visual Analytics Spring School 2016, Middlesex University, London, 29 March – 1 April, 2016
9. Novak, J.; *Building Socially-aware Crowdsourcing and Human Computation Systems: Concepts and Applications*, Invited talk, CUBRIK Summer School, Rhodos, 2-4 July, 2014
10. Novak, J.; *ELocal – Participatory City Design and Management*, Social Innovation Summit, Potsdam, May, 2012
11. Novak, J.; *Next-Generation Media Ecosystems and the Triple Play Challenge*, Invited talk, 3rd International Fraunhofer IMS Workshop "IMS Deployment in Face of Triple Play, IPTV, SOA and Web 2.0", Berlin, Germany, November, 2007
12. Novak, J., *Next-Generation Media: Von der Konvergenz der Technik und Inhalte zur Konvergenz der Akteure?*, Impulsreferat, Mobile Business Forum Leadership Workshop, Schloss Thun, October 2007
13. Novak, J.; *German-Hungarian Research Base on Nomadic Knowledge Computing: Goals, Strategies and Challenges*, German-Hungarian Inter-Governmental Expert Group Meeting for Joint Research Bases, BMBF, Bonn, August 2005
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