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## Publications

### **Designing a Communication App for Privacy: A Scenario-Based and Participatory Approach**

Maria Parrilli, D., Afolayan Ogunyemi, A., Bauters, M. & Hernández-Ramírez, R., 2025, *Advances in Design and Digital Communication V*. Martins, N. & Brandão, D. (eds.). Springer Nature Switzerland

### **Systematic literature review of digital and green transformation of manufacturing SMEs in Europe**

Abilakimova, A., Bauters, M. & Afolayan Ogunyemi, A., 27 Dec 2024, In: *Manufacturing Research and Technology*. 13, 1, 28 p., 2443166.

### **AI Guidelines and Ethical Readiness Inside SMEs: A Review and Recommendations**

Seoudy Ibrahim, M. S. M. & Bauters, M., 2024, In: *Digital Society*. 3, 3

### **Ecosystems for knowledge transfer and creation**

Bauters, M. & Abilakimova, A., 2024, *The XXXV ISPIM Innovation Conference: held in Tallinn, Estonia on 09 June to 12 June 2024*. Acosta Llano, E., Bitran, I., Bitetti, L. & Conn, S. (eds.). Kouvola: International Society for Professional Innovation Management, p. 1-6 6 p. (ISPIM Innovation Conference Proceedings).

### **Embodied Learning – Are We Losing It?**

Bauters, M., 2024, *Innovative Technologies and Learning. ICITL 2024*. Cheng, Y., Pedaste, M., Bardone, E. & Huang, Y. (eds.). Springer, Cham, p. 309 - 316 8 p. (Lecture Notes in Computer Science ; vol. 14785).

### **The Exploration of Skill Gaps and Ecosystem Potential among Estonian Creatives**

Bauters, M., Tokranova, D., De Silva, L. M. H. & Mets, J., Sept 2023, In: *Sustainability*. 15, 18, 29 p., 13687.

### **Comparing Psychophysiological Responses to Vicarious Pain Experience Elicited by Videos Featuring either Humans or Avatars**

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### **Designing a voice-controlled dialogue system for workplace learning of routine physical workers**

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### **Existential semiotics, semiosis and emotions**

Bauters, M., 2023, *Transcending Signs*. Tarasti, E. (ed.). De Gruyter Mouton, p. 289 - 312 24 p. (Semiotics, Communication and Cognition [SCC]; vol. 35).

### **Physicality in thinking**

Bauters, M., 2023, *The 13th conference of the Nordic Association for Semiotic Studies Feeling – Skill – Knowledge*. NASS XIII Helsinki conference booklet, p. 71 - 72 2 p.

### **Pragmatism approach to embodied learning at work**

Bauters, M., 2023, *The 13th conference of the Nordic Association for Semiotic Studies Feeling – Skill – Knowledge*. p. 15 1 p.

**School-Based Digital Innovation Challenges and Way Forward Conversations about Digital Transformation in Education**  
Sunney Quaicoe, J., Afolayan Ogunyemi, A. & Bauters, M., 2023, In: *Education Sciences*. 13, 4, 21 p., 344.

**Student and teacher co-agency when combining CT with arts and design in a cross-curricular project**  
Mannila, L. C. Y., Leinonen, T., Bauters, M. & Veermans, M., 2023, In: *Computers and Education Open*. 4, 18 p.

Applying participatory design principles to collaborative art-creating sessions: Applying participatory design principles to collaborative art-creating sessions  
Tokranova, D. & Bauters, M., 2022, *25th International Academic Mindtrek conference (Academic Mindtrek 2022)*. p. 347–353 7 p.

**Audio-based Learning at Work: Preliminary Results of an Exploratory Interview Study**  
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**Indicators for enhancing learners' engagement in massive open online courses: A systematic review**  
Afolayan Ogunyemi, A., Sunney Quaicoe, J. & Bauters, M., 2022, In: *Computers and Education Open*. 3, 2666-5573, p. 100088 <https://doi.org/10.1016/j.caeo.2022.100088>.

**Are you there? Presence in collaborative distance work**  
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**Heart Rate Sharing at the Workplace**  
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**Methods and practices for supporting inclusion using current video-conferencing tools as learning environments: Methods and practices for supporting inclusion**  
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Agile and Lean Methods with Design Thinking  
Pata, K., Bauters, M., Vesikivi, P. & Holvikivi, J., 2021, *Technology Supported Active Learning: Student-Centered Approaches*. Vaz de Carvalho, C. & Bauters, M. (eds.). Singapore: Springer, p. 13-30 18 p. (Lecture Notes in Educational Technology).

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Vesikivi, P., Bauters, M. & Holvikivi, J., 2021, *Technology Supported Active Learning : Student-Centered Approaches*. Vaz de Carvalho, C. & Bauters, M. (eds.). Singapore: Springer, p. 75-90 16 p. (Lecture Notes in Educational Technology).

**Designing for Active Engagement in Online Learning Environments**  
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**Design Thinking as a Collaborative Learning Design Tool for Teachers**  
Bauters, M. & Vesikivi, P., 2021, *Technology Supported Active Learning*. Bauters, M. & Vaz de Carvalho, C. (eds.). Springer, p. 125–144 35 p. (Lecture Notes in Educational Technology ).

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### **Technology Supported Active Learning**

Vaz de Carvalho, C. & Bouters, M., 2021, Springer Singapore. 188 p. (Lecture Notes Educational Technology; vol. 1)

### **Technology to Support Active Learning in Higher Education**

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### **Tailoring ethical learning technology**

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### **An Overview of the situation of project-based learning in engineering education.**

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### **User generated soundscapes activating museum visitors**

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### **Tangibility of Sharing Experiences**

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### **A phonetic approach to educational design-based research: Issues and aspirations**

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### **Experience in design and learning approaches: enhancing the framework for experience**

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### **Modular Audio Story Platform for Museums**

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### **Social augmented reality: Enhancing context-dependent communication and informal learning at work**

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### **Mobile Soundscape Mixer – Ready for Action**

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### **Teaching working life skills in IT through collaborative practices**

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### **Creating and Sharing Knowledge Through Experiences: A Case Study with Ach so! in Healthcare Education**

Bouters, M., Virnes, M., Purma, J. & Leinonen, T., 2015, *Design for Teaching and Learning in a Networked World : 10th European Conference on Technology Enhanced Learning, EC-TEL 2015 Toledo, Spain, September 15–18, 2015 Proceedings*. Conole, G., Klobučar, T., Rensing, C., Konert, J. & Lavoué, É. (eds.). Cham: Springer International Publishing AG, p. 642-645 4 p. (Lecture Notes in Computer Science ; vol. 9307).

### **A Community Information System for Ubiquitous Informal Learning Support**

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### **Design Review of Requirements Bazaar from a Pragmatism Perspective**

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### **Towards a Design Research Framework for Designing Support Informal Work-Based Learning**

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### **Emanuele Bardone: Seeking chances: from biased rationality to distributed cognition**

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### **KPE (Knowledge Practices Environment) supporting knowledge creation practices in education**

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### **Semiotics' contribution into the analysis of popular culture**

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### **KPE (Knowledge Practices Environment) Supporting Knowledge Creation Practice**

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### **Pragmatic Knowledge Services**

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### **Tiedonluominen ja sosiaalinen media korkeakoulutuksessa: Suorittamisesta yhdessä luomiseen ja arviointiin**

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### **Triological learning supported by Knowledge Practices Environment**

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**Main functionalities of the Knowledge Practices Environment (KPE) affording knowledge creation practices in education**

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**Tools for synchronous communications in collaborative Knowledge Practices Environment (KPE)**

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Complexity, biosemiotics and semiotic freedom: The whole creature : complexity, biosemiotics and the evolution of culture  
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**Knowledge practices environment: Design and application of technology for triological learning**

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**Multiple Determination and Association: Peirce's Model of Mediation Applied to Visual Signs**

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**The knowledge Practices Environment: A virtual environment for collaborative knowledge creation and work around shared artefacts**

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**Changes in Beer Labels and their Meaning: A Holistic Approach to the Semiotic Process**

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Global/General (Western) Beer Signs: The Case of Italy and Finland

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**S for Sinebrychoff**

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**S for Sixty-nine**

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## **Projects**

### **KP-Lab: Developing Knowledge-Practices Laboratory**

Bauters, M. (Project manager)

01/01/2007 → 25/12/2011

### **Learning Layers, Scaling up Technologies for Informal Learning in SME Clusters**

Bauters, M. (Participant)

01/11/2012 → 30/11/2016

### **Learning Layers, Scaling up Technologies for Informal Learning in SME Clusters**

Pejoska, J. (Participant) & Bauters, M. (Project manager)

01/11/2012 → 30/11/2016

### **Quantifying Human Experience for Increased Intelligence Within Work Teams and in the Customer Interface**

Pejoska, J. (Participant), Bauters, M. (Project manager), Saarikivi, K. A. (Principal Investigator), Wikström, V. (Participant), Falcon, M. (Participant), Martikainen, S. (Participant), Durall, E. (Participant) & Leinonen, T. (Project manager)

01/01/2018 → 30/06/2020

### **youwatchit**

Bauters, M. (Project manager) & Saro, E. (Project manager)

01/02/2000 → 21/12/2000