

How to develop a new innovation education tool: case of impact canvas

Aarikka-Stenroos, L., Boedeker, S., Köppä, L. & Langwaldt, J., Dec 2016, *In the Proceedings of ISPIM Innovation Summit. The International Society for Professional Innovation Management (ISPIM). : 4-7 December 2016, Kuala Lumpur, Malaysia.*

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Understanding and promoting students' well-being and performance in university studies

Asikainen, H., Kaipainen, K. & Katajavuori, N., 2019, In : *Journal of University Teaching and Learning Practice.* 16, 5, 2.

Research output: Contribution to journal › Article › Scientific › peer-review

Lifelong learning with a digital math game: Performance and basic experience differences across age

Greipl, S., Moeller, K., Kiili, K. & Ninaus, M., 2019, *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings.* Liapis, A., Yannakakis, G. N., Gentile, M. & Ninaus, M. (eds.). Springer, p. 301-311 11 p. (Lecture Notes in Computer Science; vol. 11899).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Leikkien mutta tosissaan: Leikillä iloa oppimisympäristöön

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Angry Birds for Fun in Learning

Harju, V. & Multisilta, J., 2014, *Finnish Innovations and Technologies in Schools: a Guide towards New Ecosystems of Learning.* Niemi, H., Multisilta, J., Lipponen, L. & Vivitsou, M. (eds.). Sense Publishers, p. 69-76 8 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Leikilliset oppimateriaalit innostavat oppimaan

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

An exploration of longitudinal studies of digital learning

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Research output: Contribution to journal › Review Article › Scientific › peer-review

The concept of active learning and the measurement of learning outcomes: A review of research in engineering higher education

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Research output: Contribution to journal › Article › Scientific › peer-review

Affective experiences and student engagement in higher education

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Luennot vuorovaikutuskeinona

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Otos iloa – Lasten kokemuksia iloa tuottavasta oppimisympäristöstä

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Research output: Contribution to journal › Article › Scientific › peer-review

Language Learning in Task Management and Task Accomplishment In Higher Education Perspectives on Content and Language Integrated Learning

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Pedagogical Content Knowledge in Product Development Education

Juuti, T., Rättyä, K., Lehtonen, T. & Kopra, M.-J., 7 Sep 2017, *Proceedings of the 19th International Conference on Engineering and Production Design Education, 2017, Oslo, Norway, 7th - 8th September 2017*. The Design Society, p. 483-488 6 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

How to facilitate freshmen learning and support their transition to a university study environment

Kangas, J., Rantanen, E. & Kettunen, L., 28 Jul 2016, In : *European Journal of Engineering Education*. p. 1-16 16 p.

Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Contribution to journal › Article › Professional

Enhancing Learning in Engineering Mathematics Education: Utilising Educational Technology and Promoting Active Learning

Kinnari-Korpela, H., 29 Mar 2019, Tampere University. 180 p. (Tampere University Dissertations; vol. 38)

Research output: Book/Report › Doctoral thesis › Monograph

Virtual Reality Situational Language Trainer for Second Language: Design & Evaluation

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Structural development of substance in engineering education: Method of cornerstones

Korpela, A., Tarhasaari, T., Kettunen, L., Mikkonen, R. & Kinnari-Korpela, H., 2017, *Interactive Collaborative Learning - Proceedings of the 19th ICL Conference - Volume 1*. Springer Verlag, p. 566-576 11 p. (Advances in Intelligent Systems and Computing; vol. 544).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Examples of the Teaching of the Health Questions of Electric and Magnetic Fields at Tampere University of Technology in Finland

Korpinen, L. & Pääkkönen, R., 2015, In : *Journal of Physical Science and Application*. 5, 4, p. 277-282 6 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of progressive inquiry on cognitive and affective learning outcomes in adolescents' geography education

Kuisma, M. & Nokelainen, P., 30 Jul 2018, In : *Frontline Learning Research*. 6, 2, 19 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Matka AVOMerelle: Avoimuutta ja verkostomaista toimintakulttuuria tutkimassa

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Research output: Book/Report › Commissioned report › Professional

Tila haltuun! Suositukset virtuaalisen suomen opiskelun toteuttamiseen

Lappalainen, Y., Poikolainen, M., Trapp, H., Eloranta, J., Itähaarla, A., Järvenpää, L., Kamppari, H., Korkalainen, T., Lakkala, M., Lehtonen, T., Liukkonen, T. N., Mäkilä, T., Okkonen, J., Rakkolainen, I., Rasila, M., Tapaninen, T. & Vauhkonen, T., 18 Jun 2015, Turun yliopiston Brahea-keskus. 135 p. (Turun yliopiston Brahea-keskuksen julkaisuja; no. 6)

Research output: Book/Report › Commissioned report › Professional

Avoimuus oppimisverkostossa

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

From systematic design process towards teaching product designer's toolkit

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Ammatillisten opettajien näkemyksiä opettajan työssä tarvittavasta kompetenssista ja työelämäyhteistyöstä

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Research output: Contribution to journal › Article › Scientific › peer-review

Internal and external stakeholders' impact on product development curriculum design

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STACK assignments in university mathematics education

Mäkelä, A.-M., Ali-Löytty, S., Humaloja, J.-P., Joutsenlahti, J., Kauhanen, J. & Kaarakka, T., 2016, *Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland*. European Society for Engineering Education SEFI, 14 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Guiding the workplace learning in vocational education and training: A literature review

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Research output: Contribution to journal › Review Article › Scientific › peer-review

Children as co-creators of video stories: mobile videos for learning

Multisilta, J. & Niemi, H., 2014, *2014 37th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO)*. p. 588-592

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Pelataan suomalainen koulu kukoistukseen

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Research output: Contribution to journal › Article › Professional

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Multisilta, J., 2014, *Ikäteknologia*. Leikas, J. (ed.). (Vanhustyön keskusliiton tutkimuksia; no. 2).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

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On Actor-Network Theory and Learning Ecosystems based on Mobile Social Media

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Videot nuorten maailmassa ja digitaalinen tarinankerronta

Multisilta, J. & Niemi, H., 2014, *Rajaton luokkahuone*. Niemi, H. & Multisilta, J. (eds.). Jyväskylä: PS-kustannus, p. 174-186 13 p. (Opetus 2000).

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Oppilaiden tuottamien videoiden käyttö opetuksessa

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Creating a National Digital Learning Environment for Enhancing University Teachers' Pedagogical Expertise – The Case UNIPS

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Research output: Contribution to journal › Article › Scientific › peer-review

Näkemyksiä nykyopettajuudesta yliopistossa

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

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Research output: Book/Report › Anthology › Scientific › peer-review

Content and Language Integration as a part of a degree reform at Tampere University of Technology

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Digital Storytelling for 21st -Century Skills in Virtual Learning Environments

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Prologue: Towards a Global Ecosystem

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

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Research output: Book/Report › Anthology › Scientific › peer-review

Kansainvälinen jakamisen pedagogiikka

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Koulu rajattomuuden keskellä

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

A teacher? A mentor? A friend? - Teacher mentoring experience at Tampere University of Technology

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Female technology education teachers' experiences of Finnish craft education

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Research output: Contribution to journal › Article › Scientific › peer-review

Gender and technology education

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

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Research output: Book/Report › Doctoral thesis › Collection of Articles

Supporting the development of students' technological understanding in craft and technology education via the learning-by-doing approach

Niiranen, S., 16 Sep 2019, In : International Journal of Technology and Design Education. p. 1-13

Research output: Contribution to journal › Article › Scientific › peer-review

Toimijuus ja ammatillinen kasvu

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Research output: Contribution to journal › Editorial › Scientific

Assessing business learning by analysing ERP simulation log files

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Holistic Business Learning Environment: Bringing practice and integration to business education

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Research output: Book/Report > Doctoral thesis > Collection of Articles

Pääkirjoitus

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Research output: Contribution to journal > Editorial > Scientific

Huomio! Obs! Alert! "Työelämä on globaalissa murroksessa ..."

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Research output: Contribution to journal > Editorial > Scientific

Self-regulation and competence in work-based learning

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Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Kohti itseohjautuvaa oppimista ammatillisessa koulutuksessa

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Research output: Contribution to journal > Editorial > Scientific

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Pajarre, E., 26 Jan 2016, Tampereen teknillinen yliopisto. 42 p.
Research output: Book/Report > Commissioned report > Professional

Harjoitus tekee mestarin - harjoittelu maisterin? Kokemuksia uudenaikaisista yliopisto-opintoihin integroiduista työelämäjaksoista

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Research output: Contribution to journal > Article > Scientific

Yhteiset osaamistavoitteet Tampereen korkeakoulu yhteisön tutkinnoissa – mitä ne ovat ja miten niiden saavuttamista tuetaan opetussuunnitelmatyössä?

Pajarre, E., Kivimäki, S. & Selänne, S., 30 Sep 2019, In : EPOOKI. 58
Research output: Contribution to journal > Article > Professional

Education and Information Technologies, Volume 19, Issue 3, September 2014: Special Issue: Special Section on Intergenerational learning and digital technologies and Special Section on Mobile and Panoramic Video in Education

Passey, D. (ed.) & Multisilta, J. (ed.), 2014, Springer. (Education and Information Technologies; vol. 19, no. 3)
Research output: Book/Report > Anthology > Scientific > peer-review

Matematiikan oppimisen tukeminen teknillisessä yliopistokoulutuksessa

Pohjolainen, S., Rasila, A. & Kuosa, K., 2018, *Matematiikan opetus ja oppiminen*. Joutsenlahti, J., Silfverberg, H. & Räsänen, P. (eds.). Porvoo: Niilo Mäki Instituutti, p. 450-474 24 p.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Professional

Salivary cortisol reactivity to psychological stressors in infancy: A meta-analysis

Puhakka, I. J. A. & Peltola, M. J., 1 May 2020, In : PSYCHONEUROENDOCRINOLOGY. 115, 104603.
Research output: Contribution to journal > Review Article > Scientific > peer-review

WorldSkills achievers' and their co-workers' and employers' perceptions of vocational expertise and school-to-work pathways

Pylväs, L. & Nokelainen, P., 31 Aug 2017, In : International Journal for Research in Vocational Education and Training. 4, 2, p. 95-116

Research output: Contribution to journal › Article › Scientific › peer-review

Vygotsky's Zone of Proximal Development in Connection with Technology-Enhanced Learning Environments

Pyrhönen, V-P., 18 Sep 2017, *Proceedings of the 45th SEFI Annual Conference*. Quadrado, J., Bernardino, J. & Rocha, J. (eds.). European Society for Engineering Education SEFI, p. 1206-1213 8 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The significance of self-regulation in digitalized online courses

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Research output: Other conference contribution › Paper, poster or abstract › Scientific

Osaamisperustaisuuden arviointia tentillä

Pyrhönen, V-P., 16 Aug 2018, p. 93. 1 p.

Research output: Other conference contribution › Paper, poster or abstract › Professional

Motivational orientations and learning strategies of engineering students using MSLQ

Pyrhönen, V-P., 21 Sep 2018, *Proceedings of the 46th SEFI Annual conference: Creativity, Innovation and Entrepreneurship for Engineering Education Excellence*. European Society for Engineering Education SEFI, p. 411-418 8 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Urbanisoituva yliopistokampus informaalin oppimisen mahdollistajana

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Research output: Contribution to journal › Article › Scientific › peer-review

Lokikirja oppimisen arviointimenetelmänä

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Research output: Contribution to journal › Article › Scientific › peer-review

Katsaus oppisopimuskoulutukseen instituutiona Saksassa, Englannissa ja Suomessa

Rintala, H., Nokelainen, P. & Pylväs, L., 2017, In : *Kasvatus*. 48, 2, p. 128-140

Research output: Contribution to journal › Review Article › Scientific › peer-review

Informal workplace learning: Turning the workplace into a learning site

Rintala, H., Nokelainen, P. & Pylväs, L., 17 Feb 2019, *Handbook of vocational education and training : Developments in the changing world of work*. McGrath, S., Mulder, M., Papier, J. & Stuart, R. (eds.). Springer, p. 1-14 14 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Students' experiences of Workplaces as Learning Environments in Vocational Education and Training in Finland

Rintala, H., Nokelainen, P. & Pylväs, L., 15 Dec 2018, *Vocational Education & Training - The World of Work and Teacher Education : Emergent Issues in Research on Vocational Education & Training Vol. 3*. Gougoulakis, P., Teräs, M. & Moreno Herrera, L. (eds.). Stockholm University Press

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Vocational Education and Learners' Experienced Workplace Curriculum

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Research output: Contribution to journal › Article › Scientific › peer-review

Standing and attractiveness of vocational education and training in Finland: focus on learning environments

Rintala, H. & Nokelainen, P., 2020, In : *JOURNAL OF VOCATIONAL EDUCATION AND TRAINING*.

Research output: Contribution to journal › Article › Scientific › peer-review

Work-Based Learning in Vocational Education and Training: Varied Communities, Fields and Learning Pathways

Rintala, H., 31 Jan 2020, Tampere University. (Tampere University Dissertations; vol. 196)

Research output: Book/Report › Doctoral thesis › Collection of Articles

Utilizing electronic exams in programming courses: a case study

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Editorial > Scientific

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