

List of Publications

Olli I. Heimo

A PEER-REVIEWED SCIENTIFIC ARTICLES

A1 Journal article (refereed), original research

1. Heikkilä, Marikka, Heimo, Olli I., Heikkilä, Jukka & Bouwman, W. A. G. A. (2019 in review) Does BMI help business to succeed?", *Journal of Business Models*
2. Heimo, Olli I., (2019 submitted) Procuring Critical Governmental Information Systems – A Virtue Ethics Approach
3. Antti Hakkala, Olli I. Heimo, Sami Hyrynsalmi & Kai K. Kimppa (2018) Security, Privacy); DROP TABLE users; -- and Forced Trust in the Information Age? in *ACM SIGCAS Computers and Society – Special Issue on Ethicomp*.
4. Heimo, Olli I., Harviainen, J. Tuomas, Kimppa, Kai K. & Mäkilä, Tuomas (2018) Virtual to Virtuous Money: A Virtue Ethics Perspective on Video Game Business Logic, *Journal of Business Ethics*, Springer
5. Heimo, Olli I., Rantanen, Minna and Kimppa, Kai K. (2015) Wilma ruined my life: how an educational system became the criminal record for the adolescents, in *ACM SIGCAS Computers and Society – Special Issue on Ethicomp*. Vol 45. No 3.
6. Tuikka, Anne-Marie, Rantanen, Minna, Heimo, Olli I. Koskinen, Jani S. S. and Kimppa, Kai K. (2015) Where is the Patient in EHR Project? in *ACM SIGCAS Computers and Society – Special Issue on Ethicomp*. Vol 45. No 3.
7. Kimppa, Kai K., Heimo Olli I. and Harviainen, J. Tuomas (2015) First dose is always freemium, *ETHIComp 2015*, in *ACM SIGCAS Computers and Society – Special Issue on Ethicomp*. Vol 45. No 3.
8. Heimo, Olli I., Hakkala, Antti & Kimppa, Kai K. (2012) "How to abuse biometric passport systems", *Journal of Information, Communication and Ethics in Society*, Vol. 10 Iss: 2, pp.68 – 81.

A3 Book section, chapters in research books

9. Koi, Polaris & Heimo, Olli I. (2019 in review), Koneoppimisalgoritmit mahdollistavat jo ihmisen parantelun, *Acta Philosophica Fennica* 2019.
10. Aaltonen-Ogbeide, Terhi, Kimppa, Kai K., Lamberg Irmeli, Saastamoinen, Pentti, Vartiainen Tero and Heimo, Olli I. (2015) Silmät auki it-etiikkaan, *Eduskunnan tulevaisuusvaliokunnan julkaisu 12/2014*, available at: https://www.eduskunta.fi/FI/tietoaeduskunnasta/julkaisut/Documents/tuvj_12+2014.pdf
11. Heimo, Olli I., Kimppa, Kai K. and Vartiainen, Tero (2015) Asiakas-toimittaja-suhde, tietoturva ja valvonta eettisinä haasteina it-alalla, in (Aaltonen-Ogbeide et al, eds.) *Silmät auki it-etiikkaan, Eduskunnan tulevaisuusvaliokunnan julkaisu 12/2014*, available at: https://www.eduskunta.fi/FI/tietoaeduskunnasta/julkaisut/Documents/tuvj_12+2014.pdf
12. Heimo, Olli I. (2015) Kupittaaan oravat eli Sokrates sähköisestä äänestämisestä, in (Aaltonen-Ogbeide et al, eds.) *Silmät auki it-etiikkaan, Eduskunnan tulevaisuusvaliokunnan julkaisu 12/2014*, available at: https://www.eduskunta.fi/FI/tietoaeduskunnasta/julkaisut/Documents/tuvj_12+2014.pdf
13. Heimo, Olli I. & Kimppa, Kai K. (2013) "A Call for Reflexivity in the Governance of the Finnish eGovernment System Development" In *Ethical Governance of Emerging Technologies Development*, ed. Fernand Doridot, Penny Duquenoy, Philippe Goujon, Aygen Kurt, Sylvain Lavelle, Norberto Patrignani, Stephen Rainey and Alessia Santuccio, pp. 249–262, IGI Global (2013).

A4 Conference proceedings

14. Heimo, Olli I., Sakari, Leo, Sääntti, Tero and Lehtonen, Teijo (2019) Mixed Reality for Industry? An Empirical User Experience Study, *IntelliSys 2019*, 5-6 September 2019 - London, United Kingdom
15. Hakkala, Antti & Heimo, Olli I. (2019), Automobile Automation and lifecycle – How Digitalisation and Security-issues Affect Car as a Product and Service? *IntelliSys 2019*, 5-6 September 2019 - London, United Kingdom

16. Heimo, Olli I., Joelsson, Tapani N., Nyroos, Sari & Mäkilä, Tuomas (2018) Gamifying Learning of Maritime Standard Operational Procedures, in Proceedings of GAME-ON'18 19th International Conference on Intelligent Games and Simulation, September 18-20 2018, Arbetay University, Dundee, Scotland, UK.
17. Heimo, Olli I., Rantanen, Minna M. and Kimppa, Kai K. (2018), Three views to a school information system: Wilma from a sociotechnical perspective, HCC13: THIS CHANGES EVERYTHING, IFIP TC9 Human Choice and Computers Conference, in Poznan, Poland, September 2018.
18. Kiesiläinen, Jouko, Rantanen, Minna M., Heimo, Olli I. and Kimppa, Kai K. (2018), Nappula – an information system to deem guardians unworthy, WELL-BEING IN THE INFORMATION SOCIETY – FIGHTING INEQUALITIES, 27-29 August 2018, Turku – Finland
19. Hakkala, Antti & Heimo, Olli I. (2018), Automated automobiles and ethics: what should we focus on?, ETHICOMP 2018, Poland 24 - 26 September 2018.
20. Heimo, Olli I., Naskali, Juhani and Kai K. Kimppa (2018) Hate speech recognition AI – a new method for censorship?, ETHICOMP 2018, Poland 24 - 26 September 2018.
21. Rantanen, Minna M. and Heimo, Olli I. (2018) Citizens' information for sale? Secondary use of information in Finland, ETHICOMP 2018, Poland 24 - 26 September 2018.
22. Heimo, Olli I., Kimppa, Kai K., Yli-Seppälä, Laura, Viinikkala, Lauri, Korkalainen, Timo, Mäkilä, Tuomas and Lehtonen, Teijo (2017) Ethical Problems in Creating Historically Representative Mixed Reality Make-belief, in proceedings of ETHICOMP 2017.
23. L. Sakari, S. Helle, S. Korhonen, T. Säntti, O. Heimo, M. Forsman, M. Taskinen, T. Lehtonen (2017) Virtual and Augmented Reality Solutions to Industrial Applications 16th Conference on Computer Applications and Information Technology in the Maritime Industries COMPIT'17, Cardiff, UK May 2017
24. Lauri Viinikkala, Laura Yli-Seppälä, Olli I. Heimo, Seppo Helle, Lauri Härkänen, Sami Jokela, Lauri Järvenpää, Timo Korkalainen, Jussi Latvala, Juho Pääkylä, Kaapo Seppälä, Tuomas Mäkilä & Teijo Lehtonen (2016) Re-forming the Reformation Representation in NODEM '16, VSMM 2016 Conference Sunway University, Kuala Lumpur, October 17-21, 2016
25. Olli I. Heimo, Tuomas Mäkilä, Timo Korkalainen, Lauri Viinikkala and Teijo Lehtonen (2016), B2C Business Models for Museum and Cultural Travel Mixed Reality Solutions, in Academic Mindtrek, 20th International Academic Mindtrek Conference in Tampere, Finland, Oct 17th - 19th, 2016
26. Olli I. Heimo, J. Tuomas Harviainen, Kai K. Kimppa & Tuomas Mäkilä (2016) Virtual to Virtuous Money: Video Game Business Logic and Virtue Ethics, Money and Games seminar, Tampere, 18-19 April, 2016.
27. Heimo, Olli I., Liukkonen, Tapani N., Oja-Nisula, Miika, Rajala, Julius, Kimppa, Kai K., & Mäkilä, Tuomas (2016), Ethical Gathering of Exercise Metrics from Elderly: Case Jumppatikku, 12th IFIP TC9 Human Choice and Computers Conference – 7th-9th Sept 2016
28. Seppälä, Kaapo, Heimo, Olli I., Pääkylä, Juho, Latvala, Jussi, Helle, Seppo, Härkänen, Lauri, Jokela, Sami, Järvenpää, Lauri, Saukko, Frans, Viinikkala, Lauri, Mäkilä, Tuomas & Lehtonen, Teijo (2016), Examining User Experience in an Augmented Reality Adventure Game: Case Luostarinmäki Handicrafts Museum, 12th IFIP TC9 Human Choice and Computers Conference – 7th-9th Sept 2016
29. Vartiainen, Tero, Heimo, Olli I. & Kimppa, Kai K. (2016), Finnish IT Professionals' Ethical Dilemmas: An Empirical Study, 12th IFIP TC9 Human Choice and Computers Conference – 7th-9th Sept 2016
30. Liukkonen, Tapani N., Heimo, Olli I., Mäkilä, Tuomas & Smed, Jouni (2015), Comparative Analysis on Game Design Pattern Collections, in the proceedings of GAMEON'2015, December 2-4, 2015, University of Amsterdam (UvA), Amsterdam, The Netherlands.
31. Timo Korkalainen, Lauri Viinikkala, Seppo Helle, Juho Pääkylä, Sami Jokela, Frans Saukko, Tuomas Mäkilä, Olli Heimo and Teijo Lehtonen (2015), Louhisaari Stories – Augmented Reality Cinema in a Historical Setting, ARea '15, University of Turku, Turku, Finland, 11-12 June 2015.
32. Viinikkala, Lauri, Leskinen, Olli-Pekka, Heimo, Olli, Arimaa, Juha-Pekka, Korkalainen, Timo, Mäkilä, Tuomas, Helle, Seppo and Lehtonen, Teijo, (2014), The Luostarinmäki Adventure – An Augmented Reality Game in an Open Air Museum, in NODEM 2014 Engaging Spaces – Interpretation, Design and Digital Strategies, Warsaw, December 1-3, 2014
33. Rantanen, Minna & Heimo, Olli I. (2014), "Problem in Patient Information System Acquirement in Finland: Translation and Terminology", HCC11 ICT and Society in University of Turku, Turku, Finland, 30th July – 1st August 2014.

34. Kimppa, Kai K. & Heimo, Olli I. (2014), "CENSORSHIP: CASE FINLAND, 5-year update", ETHIComp 2014, Pierre & Marie Curie University, Paris, France, 25th – 27th July 2014.
35. Heimo, Olli I., Kimppa, Kai K. & Nurminen, Markku I. (2014), "Ethics and the Inseparability Postulate" in ETHIComp 2014, Pierre & Marie Curie University, Paris, France, 25th – 27th July 2014.
36. Heimo, Olli I., Korkalainen, Timo, Helle, Seppo, Kimppa, Kai K. & Lehtonen, Teijo (2014), "Augmented Reality – Towards Ethical Fantasy?", 2014 IEEE International Symposium on Ethics in Engineering, Science, and Technology, Ethics'2014 in Chicago Marriott O'Hare, Chicago, IL, USA, 23 – 24 May, 2014.
37. Heimo, Olli I., Koskinen, Jani S., Kainu, Ville & Kimppa, Kai K. (2014), "Problem of Power: The Missing Agent", in the proceedings of CEPE 2013 - Ambiguous Technologies: Philosophical Issues, Practical Solutions, Human Nature, Autónoma University of Lisbon in 2013, in Lisbon (Portugal), July 1st – 3rd 2013.
38. Koskinen, Jani S., Heimo, Olli I. & Kimppa, Kai K. (2014), "Rawls' view in context of datenherrschaft over personal patient information" , in the proceedings of CEPE 2013 - Ambiguous Technologies: Philosophical Issues, Practical Solutions, Human Nature, Autónoma University of Lisbon in 2013, in Lisbon (Portugal), July 1st – 3rd 2013.
39. Viinikkala, Lauri, Korkalainen, Timo, Arimaa, J.P., Lehtonen, Teijo, Helle, Seppo, Mäkilä, Tuomas, Pönni, Veijo & Heimo, Olli I. (2013), "Mixed reality and the Holy Ghost Church in Turku", NODEM 2013 – Beyond Control – The Collaborative Museum and its Challenges, Stockholm, Sweden, 1-3 December, 2013.
40. Mäkilä, Tuomas, Helle, Seppo, Viinikkala, Lauri, Lehtonen, Teijo, Arimaa, J.P., Heimo, Olli I., Nikkola, Päivi, Korkalainen, Timo & Pönni Veijo (2013) "The Futuristic History project: Recreating history with augmented reality solutions", NODEM 2013 – Beyond Control – The Collaborative Museum and its Challenges, Stockholm, Sweden, 1-3 December, 2013.
41. Heimo, Olli I. & Kimppa, Kai K. (2013), "Information Warfare – Are We Already at War?", ETHICOMP 2013 – The possibilities of ethical ICT, University of Southern Denmark, Kolding, Denmark, 12 – 14 June 2013.
42. Heimo, Olli I., Koskinen, Jani S. & Kimppa, Kai K. (2013), "Responsibility in Acquiring Critical Governmental Information Systems: Whose Fault is Failure?" ETHICOMP 2013 – The possibilities of ethical ICT, University of Southern Denmark, Kolding, Denmark, 12 – 14 June 2013.
43. Koskinen, Jani S., Heimo, Olli I. & Kimppa, Kai K. (2012), "A viewpoint for more ethical approach in healthcare information system development and procurement: the four principles", The 4th International Conference "Well-being in the Information Society (WIS 2012) – Exploring the Abyss of Inequalities", 22 – 24 August 2012, Turku, Finland.
44. Heimo, Olli I, Hakkala, Antti & Kimppa, Kai K. (2011), "The problems with security and privacy in eGovernment – Case: Biometric Passports in Finland", Ethicomp 2011, Sheffield, United Kingdom 14 – 16 September 2011.
45. Heimo, Olli I, Fairweather, N. Ben & Kimppa, Kai K. (2010), "The Finnish eVoting Experiment: What Went Wrong?", Ethicomp 2010, Tarragona, Spain 14 – 16 April 2010.

F PUBLIC ARTISTIC AND DESIGN ACTIVITIES

F2 Public partial realisation of a work of art

- ✓ Turun yliopiston raskaan musiikin ystävät TYRMY ry (2014), "TYRMY Kalenteri 2015" [TYRMY Calender 2015], ed. Ahlgren, Tero, Heimo, Olli, Kulta, Essi, Luhta, Kaisa, Oesch, Kirsi, Piltti, Hermanni, Saarinen, Eeva & Susi, Helena, 2014.
- ✓ Turun yliopiston raskaan musiikin ystävät TYRMY ry (2013), "TYRMY Kalenteri 2014" [TYRMY Calender 2014], ed. Costiander, Maarit, Heimo, Olli, Oesch, Kirsi, Piltti, Hermanni, Saarinen, Eeva, Susi, Helena, Vepsäläinen, Anna & Vesti, Jetro, 2013.
- ✓ Digit Ry (2008) "*Urho Matti – The Greatest Bits*", the songbook of the student organisation Digit ry, ed. Antti Hakkala & Olli Heimo, 2008



G THESES

G1 Polytechnic thesis, Bachelor's thesis

Heimo, Olli I. (2010), "*Experiments implementations of Electronic Voting*"

- ✓ Grade 5/5.
- ✓ Supervisor Ph. D. Kai K. Kimppa, University of Turku

G2 Master's thesis, polytechnic Master's thesis

Heimo, Olli I. (2011), "*The Challenges and Risks of Electronic Voting*"

- ✓ Grade Eximia cum laude approbatur (6/7).
- ✓ Supervisors Ph.D. Kai K. Kimppa, University of Turku and M.Sc.(tech) Antti Hakkala, University of Turku

G3 Doctoral thesis

Heimo, Olli I. (2018), "*Icarus, or the Efficient, Economical and Ethical Procurement of Critical Governmental Information Systems*".

- ✓ Grade Magna cum laude approbatur (5/7).
- ✓ Supervisors Ph.D. Kai K. Kimppa, University of Turku and Prof. Jukka Heikkilä, University of Turku

I AUDIOVISUAL MATERIAL, ICT SOFTWARE

I2 ICT software

- ✓ eHOPS Electronic Study Plan System for University of Turku
 - Roles: programmer, database designer, graphic designer, IS specialist
 - Published autumn 2007
 - Updated (version 2) published summer 2010

