

Fei Yu
SDU Technology Entrepreneurship and Innovation
Department of Technology and Innovation
Postal address:
Alsion 2
6400
Sønderborg
Denmark
Email: fei@iti.sdu.dk
Mobile: 50170660
Phone: 65501676



Publications

Tools, application areas and challenges of factory simulation in Small and Medium-Sized Enterprises – A Review
Yu, F. & Chen, Z., Nov 2021, In: *Procedia CIRP*. 104, p. 399-404

Application of configuration principle on knowledge-based engineering for manufacturing system design
Chen, Z., An, Y., Wang, Z., Qin, X. & Yu, F., Sep 2021, (Accepted/In press) In: *Procedia CIRP*.

Heterogeneous requirement gathering for generative design of robotic manufacturing systems
Chen, Z., An, Y., Wang, Z., Qin, X., Yu, F. & Zhang, Y., Sep 2021, (Accepted/In press) In: *Procedia CIRP*.

En hackathon går online

Nørgaard, C., Senderovitz, M., Kleine, K., Yu, F., Kjærgaard, T. B., Toftild, L. F., Kjær Johansen, S. & Nielsen, S. L., 26. Jun 2021, (Accepted/In press).

Hackathon as a method for competence development for lecturers

Nørgaard, C., Senderovitz, M., Kleine, K., Yu, F., Toftild, L. F., Kjær Johansen, S., Nielsen, S. L. & Kjærgaard, T. B., 24. Jun 2021, (Accepted/In press).

Digital Twin: Collaborative Virtual Reality Environment for Multi-Purpose Industrial Applications

Kuts, V., Otto, T., Bondarenko, Y. & Yu, F., 16. Feb 2021, *Proceedings of the ASME 2020 International Mechanical Engineering Congress and Exposition IMECE2020*. American Society of Mechanical Engineers, p. IMECE2020-23390 7 p.

Design for Robot Assembly: Challenges of online education

Yu, F. & Ribeiro da Silva, E., 2021, In: *Procedia CIRP*. 100, p. 482-487

Idea selection and adoption by users – a process model in an online innovation community

Wang, N., Tiberius, V., Chen, X., Brem, A. & Yu, F., 2021, In: *Technology Analysis & Strategic Management*. 33, 9, p. 1036-1051

Industry 4.0 Technology Implementation in SMEs – A Survey in The Danish-German Border Region

Yu, F. & Schweisfurth, T., Sep 2020, In: *International Journal of Innovation Studies*. 4, 3, p. 76-84

A data-driven approach for decision-Making support of factory simulation solutions

Yu, F. & Petersson Nielsen, C., 2020, In: *Procedia CIRP*. 93, p. 971-976

Digital Twins and Blockchain – Proof of Concept

Petersson Nielsen, C., Ribeiro da Silva, E. & Yu, F., 2020, In: *Procedia CIRP*. 93, p. 251-255

Cross-location and Cross-disciplinary Collaborative Prototyping Using Virtual Reality in Higher Education

Yu, F. & Khalid, M. S., 1. Oct 2019, *Proceedings of the 18th European Conference on e-Learning, ECEL 2019*. Orngreen, R., Buhl, M. & Meyer, B. (eds.). Academic Conferences and Publishing International, p. 609-617

A Mobile Phone App Featuring Cue Exposure Therapy As Aftercare for Alcohol Use Disorders: An Investigator-Blinded Randomized Controlled Trial

Mellentin, A. I., Nielsen, B., Nielsen, A. S., Yu, F., Mejlidal, A., Nielsen, D. G. & Stenager, E., 16. Aug 2019, In: J M I R mHealth and uHealth. 7, 8, 16 p., e13793.

Decision-making support for simulation solutions in small and medium sized enterprises

Yu, F. & Petersson Nielsen, C., 2019, *20th International CINet Conference*. Continuous Innovation Network

Patterns and drivers of Industry 4.0 technology adoption in SMEs

Yu, F., Schweisfurth, T. & Grube Hansen, D., 2019, *20th International CINet Conference*. Continuous Innovation Network

User behaviour and interaction in a collaborative Virtual Reality environment

Simunovic, D. & Yu, F., 2019, *20th International CINet Conference*. Continuous Innovation Network

Smart prototyping

Yu, F. & Enste, B., 30. Nov 2018, *The Routledge Companion to Innovation Management: The strategic perspective of innovation*. Chen, J., Brem, A., Viardot, E. & Wong, P. K. (eds.). 1. ed. Routledge, p. 237-267

Prototyping in theory and in practice: A study of the similarities and differences between engineers and designers

Yu, F., Brem, A. & Pasinell, M., 2018, In: *Creativity and Innovation Management*. 27, 2, p. 121-132

A smarter pathway for delivering cue exposure therapy? The Design and Development of a Smartphone App Targeting Alcohol Use Disorder

Mellentin, A. I., Stenager, E., Nielsen, B., Nielsen, A. S. & Yu, F., 30. Jan 2017, In: J M I R mHealth and uHealth. 5, 1

The management of prototyping technology in the Innovation process – SMEs vs. MNCs

Wolter, S. & Yu, F., 2017, *Proceedings of the 24th Innovation and Product Development Management Conference*. EISAM , (International Product Development Management Conference, Vol. 2017).

Elliptical modelling of hysteresis operating characteristics in a dielectric elastomer tubular actuator

Tian, P., Jones, R. & Yu, F., 16. Jun 2016, In: *Smart Materials and Structures*. 25, 7, 11 p., 075038.

A randomized controlled study of exposure therapy as aftercare for alcohol use disorder: study protocol

Mellentin, A. I., Nielsen, B., Nielsen, A. S., Yu, F. & Stenager, E., 21. Apr 2016, In: *BMC Psychiatry*. 16, 1, 9 p., 112.

Decision-making of selectable process plans based on petri net with manufacturing constraints

Xiao, W., Jones, R. W. & Yu, F., 2016, In: *Revista Tecnica de la Facultad de Ingenieria Universidad sel Zulia - Technical Journal of the Faculty of Engineering, TJFE*. 39, 12, p. 207-216

Poster-Dynamic posture correcting device used for rehabilitation exercises

Byrgesen, T. B., Skov, M. L., Yeoman, M. J. S. & Yu, F., 21. Oct 2015.

Dynamic posture correcting device used for rehabilitation exercises

Byrgesen, T. B., Skov, M. L., Yeoman, M. J. S. & Yu, F., 20. Oct 2015, In: *International Journal of Integrated Care*. 15

Foot Edema Simulation and Monitoring Using Dielectric Electro-Active Polymer Sensors

Yu, F., Bilberg, A., Xiao, L. & Yderstræde, K. B., 15. Apr 2015, In: *Sensors and Actuators A: Physical*. 225, p. 33-40 8 p.

Decision Method of Processing Scheme for Part Surface with Constraint Condition Based on T_Invariant of Fuzzy Petri Nets

Xiao, W. & Yu, F., Oct 2014, In: *Advanced Materials Research*. 1056, p. 166-170

Patient@home - Largest Research Platform on Welfare Technology in Denmark

Yu, F., 21. Sep 2014.

Design and Development of a Smartphone Application for Cue Exposure Treatment

Mellentin, A. I., Wu, Y., Wang, M., Bilberg, A., Stenager, E., Nielsen, B. & Yu, F., 22. Aug 2014, *Linköping Electronic Conference Proceedings*. Grimstad, Norway: Linköping University Electronic Press, p. 107 1 p. 017. (Linköping Electronic Conference Proceedings; No. 102).

Poster-Design and Development of a Smartphone Application for Cue Exposure Treatment

Mellentin, A. I., Wu, Y., Wang, M., Bilberg, A., Stenager, E., Nielsen, B. & Yu, F., 22. Aug 2014.

Alcohol Cue Exposure: An investigator-blinded, randomized, controlled study of exposure-based aftercare in alcohol dependent individuals

Mellentin, A. I., Nielsen, B., Bilberg, A., Yu, F., Nielsen, A. S. & Stenager, E., 2014.

Fatigued patients with multiple sclerosis can be discriminated from healthy controls by the recordings of a newly developed measurement system (FAMOS): a pilot study

Yu, F., Bilberg, A., Dalgas, U. & Stenager, E., 2013, In: *Disability and Rehabilitation: Assistive Technology*. 8, 1, p. 77-83

A smartphone application of alcohol resilience treatment for behavioral self-control training

Yu, F., Albers, J., Gao, T., Wang, M., Bilberg, A. & Stenager, E., 2012, In: *I E E E Engineering in Medicine and Biology Society. Conference Proceedings*. 2012, p. 1976-1979

A Smartphone Application of Alcohol Resilience Treatment for Behavioral Self-Control Training

Yu, F., Albers, J., Gao, T., Wang, M., Bilberg, A. & Stenager, E., 2012. 4 p.

A wireless body measurement system to study fatigue in multiple sclerosis

Yu, F., Rabotti, C., Bilberg, A., Stenager, E., Zhang, B. & Mischi, M., 2012, In: *Physiological Measurement*. 33, 12, p. 2033-2048

Non-invasive sensors in medical applications: Measuring and monitoring fatigue ind multiple sclerosis

Yu, F., 2011, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

A Study of Fatigue in Multiple Sclerosis Using a New Wireless Medical Sensor Measurements System

Yu, F. & Bilberg, A., 20. Oct 2010, *Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium*. 1. ed. Vienna, Austria, Vol. 21. p. 1167-1168

Wireless medical sensor measurements of fatigue in patients with multiple sclerosis

Yu, F., Bilberg, A. & Stenager, E., 2010, In: *I E E E Engineering in Medicine and Biology Society. Conference Proceedings*. 1, p. 3763-7

The Development of an Intelligent Electronic Stethoscope

Yu, F., Bilberg, A. & Voss, F., 2008, *Mechtronic and Embedded Systems and Applications, 2008. MESA 2008. IEEE/ASME International Conference on*. AAAI Press, p. 612-17

Activities

Doctoral Consortium on Entrepreneurship and Innovation for Sustainability

Silke Tegtmeier (Chairman), Frederik Gottlieb (Organizer), Ferran Giones (Organizer), Steffen Korsgaard (Panel member), Gry Alsos (Panel member), Alexander Brem (Panel member), Kim Klyver (Panel member), Fei Yu (Panel member), Jay Mitra (Panel member) & Ursula Weisenfeld (Panel member)

5. Oct 2017 → 6. Oct 2017

Early phase development of healthcare products within the contexts of age-related issues and chronic diseases.

Fei Yu (Organizer), Emad Yaghmaei (Panel member), Yingyao Chen (Panel member), Jiayan Huang (Panel member), Timothy M Hale (Panel member), Jinxi Wu (Panel member), Lihong Zhou (Panel member), Jianjun Yu (Panel member) & Lars Christian Jensen (Panel member)

26. Jun 2017 → 30. Jun 2017

Fatigued multiple sclerosis patients are characterized by autonomic dysfunction: a pilot study of using a newly developed wireless measurement system

Fei Yu (Lecturer)

26. Apr 2012

Keynote speaker at IEEE Virtual Workshop on Synergies Between Industry-Academia Partnership

Fei Yu (Guest lecturer)

8. Oct 2021

The management of prototyping technology in the Innovation process – SMEs vs. MNCs

Fei Yu (Speaker)

11. Jun 2017 → 13. Jun 2017