



## ANNUAL REPORT 2011

### About Ecis

The *Eindhoven Centre for Innovation Studies* (Ecis) hosts all researchers at the School of Innovation Sciences at Eindhoven University of Technology (TU/e), the Netherlands. The mission of Ecis is to enhance our understanding of the sources, nature and effects of innovation processes. We approach innovation from various disciplinary angles including psychology, economics, sociology, history and philosophy. Our research aims to provide useful insights for an effective governance/management of innovation processes at regional, national and international levels. As of 31 December 2011, Ecis hosts 59 researchers and 45 PhD students. Visit our website at <http://ecis.ieis.tue.nl>

### Ecis receives high scores in research assessment

Ecis research programmes have received high scores in the 2011 research assessment exercise by the QANU, with an average score of 4.37 on a scale between 1 to 5. See the full report at the Ecis website.

### 9th Biennial Conference on Environmental Psychology

Cees Midden *cum suis* have organized the 9th Biennial Conference on Environmental Psychology in Eindhoven in 26-28 September 2011. With about 350 participants from 30 different countries, the conference was successful in bringing together people interested in the field of environmental psychology. Keynote lectures were given by Robert Cialdini (Arizona State University), Wijnand IJsselsteijn (Eindhoven University of Technology), Eus van Someren (VU University Amsterdam) and Sebastian Bamberg (University of Applied Science, Bielefeld, Germany). More information can be found at: <http://www.envpsych2011.eu/>

### NWO grant for history of sustainability

Harry Lintsen, Johan Schot and Frank Veraart won a NWO research grant for a research project into the history of sustainable Holland since 1850. The central question is: Were past generations better off than we are now? University of Groningen will act a project partner. Harry Lintsen will coordinate the project, which runs until 2016. NWO made available around 770,000 euro for the endeavor.

### Workshop on Networks and innovation

On 27 June 2011 Ecis a workshop on network theory and its applications to innovation. Papers were presented by Paolo Zeppini (TU/e), Gerrit Rooks (TU/e), Bulat Sanditov (UNU-MERIT, Maastricht University), Koen Frenken (TU/e), David Stark (Columbia University), Mathijs de Vaan (Utrecht University) and Pierre-Alexander Balland (Utrecht University).

### Workshop on Persuasive Technology for Health and Wellness

Ecis organised a workshop on Persuasive Technology for Health and Wellness on November 28-29, 2011. Key-Note Speakers included Reinder Haakma (Philips), Arie Dijkstra, (University of Groningen) and Soren Holm, (University of Manchester).

### Rosalind Williams distinguished professor at TU/e

The Eindhoven University of Technology has appointed Professor Rosalind Williams as distinguished professor for a period of three years. Professor Williams holds the chair of History of Science and Technology at MIT in Boston. Within Ecis, she will participate in the research program 'Modern Societies in Transition', led by Johan Schot.

### Paolo Saviotti guest professor at Ecis

Professor Paolo Saviotti has accepted a guest professorship at Ecis from 2012 to 2014. Professor Saviotti has published extensively on technical change from an evolutionary perspective. Within Ecis, he is appointed to will participate in the research program 'Technology Flows, Knowledge Economy & Economic Performance', led by Koen Frenken.

### Rudi Bekkers committee member at the National Academies of Science (NAS)

Rudi Bekkers was appointed as a member of a committee at the National Academies of Science (NAS) in Washington D.C. This committee investigates the way how leading standards bodies address issues of intellectual property (IP) arising in connection with the development of technical standards. The project is sponsored by the U.S. Patent and Trademark Office.

### Personal grant for Ruth Oldenziel

Ruth Oldenziel received a personal research grant from the Rachel Carson Centre in Germany.

### Annual Research Day 2012

The Ecis board organizes the annual research day on Thursday 28 June 2012 in Vught. The topic of this year's meeting will be 'non-use' of innovation. There will also be a special PhD-course of publication strategies.

## Main publications

### Journal article

- Bekkers, R.N.A., Bongard, R. & Nuvolari, A. (2011). An empirical study on the determinants of essential patent claims in compatibility standards. *Research Policy*, 40(7), 1001-1015.
- Berkers, E.A.M. & Geels, F.W. (2011). System innovation through stepwise reconfiguration : the case of technological transitions in Dutch greenhouse horticulture (1930-1980). *Technology Analysis and Strategic Management*, 23(3), 227-247.
- Berkhout, F., Wieczorek, A. & Raven, R.P.J.M. (2011). Avoiding environmental convergence : a possible role for sustainability experiments in latecomer countries? *International Journal of Institutions and Economics*, 3(2), 367-385.
- Boschma, R.A. & Frenken, K. (2011). The emerging empirics of evolutionary economic geography. *Journal of Economic Geography*, 11(2), 295-307.
- Broeders, R., Bos, K. van den, Mueller, P.A. & Ham, J.R.C. (2011). Should I save or should I not kill? How people solve moral dilemmas depends on which rule is most salient. *Journal of Experimental Social Psychology*, 47(5), 923-934.
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- Castaldi, C., Kate, C. ten & Braber, R. den (2011). Strategic purchasing and innovation : a relational view. *Technology Analysis and Strategic Management*, 23(9), 983-1000.
- Doorn, N., Raven, R.P.J.M. & Royakkers, L.M.M. (2011). Distribution of responsibility in socio-technical networks : the promest case. *Technology Analysis and Strategic Management*, 23(4), 453-471.
- Est, R. van (2011). The broad challenge of public engagement in science : commentary on: "constitutional moments in governing science and technology". *Science and Engineering Ethics*, 17(4), 639-648.
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- Ham, J.R.C. & Bos, K. van den (2011). On unconscious and conscious thought and the accuracy of implicit and explicit judgments. *Social Cognition*, 29(6), 648-667.
- Houkes, W.N., Kroes, P.A., Meijers, A.W.M. & Vermaas, P.E. (2011). Dual-nature and collectivist frameworks for technical artefacts : a constructive comparison. *Studies in History and Philosophy of Science*, 42, 198-205.
- Kaiser, F.G. & Byrka, K. (2011). Environmentalism as a trait: gauging people's prosocial personality in terms of environmental engagement. *International Journal of Psychology*, 46(1), 71-79.
- Katzav, J.K. (2011). Should we assess climate model predictions in light of severe tests? *Eos, Transactions, American Geophysical Union*, 92(23), 195-195.
- Kirkels, A.F. & Verbong, G.P.J. (2011). Biomass gasification : still promising? A 30 year global overview. *Renewable and Sustainable Energy Reviews*, 15(1), 471-481.
- Kraemer, U.A.F. (2011). Authenticity anyone? : the enhancement of emotions via neuro-psychopharmacology. *Neuroethics*, 4(1), 51-64.
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- Raven, R.P.J.M., Verbong, G.P.J., Schilpzand, W.F. & Witkamp, M.J. (2011). Translation mechanisms in socio-technical niches : a case study of Dutch river management. *Technology Analysis and Strategic Management*, 23(10), 1063-1078.
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### **Book - Monograph**

Asveld, L., Est, R. van & Stemerding, D. (Eds.). (2011). *Getting to the core of the bio-economy : a perspective on the sustainable promise of biomass*. Den Haag: Rathenau Instituut.

Cusveller, B., Verkerk, M.J. & Vries, M.J. de (2011). *The matrix reformed : science fiction, technology, and Christian philosophy*. Iowa: Dordt College.

Ganzevles, J. & Est, R. van (2011). *Energie in 2030: maatschappelijke keuzes van nu*. Boxtel: Æneas.

Hof, C. van 't, Est, R. van & Daemen, F. (Eds.). (2011). *Check in / check out : the public space as an internet of things*. Rotterdam: NAI Publishers.

Poel, I.R. van de & Royakkers, L.M.M. (2011). *Ethics, technology and engineering : an introduction*. Chichester: Wiley-Blackwell.

Vermaas, P.E., Kroes, P.A., Poel, I.R. van de, Franssen, M.P.M. & Houkes, W.N. (2011). *A philosophy of technology : from technical artefacts to sociotechnical systems* (Synthesis lectures on engineers, technology and society, 6, nr. 1). San Rafael: Morgan & Claypool Publishers.

### **Dissertation**

Horst, W. van der (2011, April 14). *Learning models in interdependence situations*. TUE : Technische Universiteit Eindhoven (122 pag.) (Eindhoven: Technische Universiteit Eindhoven). Prom./coprom.: prof.dr. C.C.P. Snijders & Dr. M.A.L.M. van Assen.

Ivanovic, A. (2011, March 24). *Strategy-focused architecture investment decisions*. TUE : Technische Universiteit Eindhoven (163 pag.) (Eindhoven: Technische Universiteit Eindhoven). Prom./coprom.: prof.dr. C.C.P. Snijders & dr. P.H.M. America.

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Roczen, N. (2011, December 15). *Environmental competence : the interplay between connection with nature and environmental knowledge in promoting ecological behavior*. TUE : Technische Universiteit Eindhoven (109 pag.) (Eindhoven: Technische Universiteit Eindhoven). Prom./coprom.: prof.dr. C.J.H. Midden & dr. F.G. Kaiser.