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System Innovation as Synchronization ; innovation attempts in the Dutch traffic management field

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CURRICULUM VITAE

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Education

- 2008 Lugano Summer School of Systems Design (Soft Systems Methodology and Critical Systems Thinking), Università della Svizzera Italiana, Lugano, Switzerland, 2-13 June 2008
- 2006-2008 Netherlands Institute for Government, Ph.D. training program: Classics in Public Administration, Core Themes in Public Administration and Political Science, General Methodology. Special tutorials: Interviewing techniques & Grounded research, Writing research proposals
- 1994-2004 Graduation (MA) 'Planologie' (urban planning/environmental planning) at University of Amsterdam, The Netherlands. Specialization in transport planning, environmental planning and planning theory.
- Final thesis: *'Ruimtelijke en niet-ruimtelijke oplossingsrichtingen voor de radicaal-vrije vervoerswijzekeuze'* ('Spatial and non-spatial solution strategies for a radically liberated modal choice'). Supervisor: Prof. dr. ir. L. Bertolini.
- 1998-2002 Graduation (MA) (with honours) post-graduate course 'Philosophy of a scientific discipline', University of Amsterdam, the Netherlands. Specialization in socio-political philosophy and critical social theory.
- Final thesis: *'De kloof tussen de automobilist en haar omgeving; een planologisch/ sociaal-filosofische analyse van de automobieliteitsproblematiek'* ('The gap between the car driver and her environment; a planning/social philosophical analysis of the automobile problem'). Supervisor: Prof. dr. V.M. Bader.
- 1994 Certificate Praedinius Gymnasium Groningen. (Dutch, Old Greek, French, English, History, Mathematics A, Physics, Philosophy)

Working experience

- 2006-2011 Ph.D. Candidate, Department of Public Administration, Governance of Complex Systems research group, Erasmus University Rotterdam, The Netherlands.

Dissertation thesis: *'System innovation as Synchronization; Innovation Attempts in Dutch Traffic Management'*, to be defended September 13th 2012. Supervisors: Prof.dr.ing. G.R. Teisman, dr. F.A. Boons

Teaching:

'Intertwined government', MA level, bachelor-3, ('08-'09, '09-'10)

'Skills in Public Administration research', MA level, bachelor-1 ('07-'08)

Guidance on masters'/bachelors' final theses (2007-2009)

Organization:

Secretary of Governance of Complex Systems research group 2008-2010
(Organization of research seminars)

2002-2003 Assistant to 'Groen Links' (Dutch Environmentalist Party) representatives in Groningen municipality council

1999- 2006 Chess player, teacher, performances of simultaneous displays. FIDE-master title obtained in 2003.

Languages Dutch (native)
English (proficient)
German (fair speaker/proficient reader)
French (fair)
Portuguese (basic)

Research interests

- Transportation and mobility
- Sustainability governance
- System innovations and societal transitions
- Socio-political philosophy, critical social theory
- Sociology of technology
- Interdisciplinary research, combining social sciences and philosophy

Publications

Refereed articles:

Pel, B. & Teisman, G.R. (2012), 'Mobiliteitsbeleid als klimaatbeleid of watermanagement; zelforganisatie als aangrijpingspunt voor effectieve beleidsmatige interventies' ('Transport policy as climate policy or water management; self-organisation as point of application for effective policy interventions'), *Tijdschrift Vervoerswetenschap*, **48** (1), 3-20

Pel, B. & Boons, F.A. (2010), 'Transition through Subsystem Innovation? The case of traffic management', *Technological Forecasting & Social Change* **77** (2010), 1249–1259

Chapters in edited volumes:

Pel, B. (2012), 'Reflection on transition management: mobility policy between integration and differentiation', Shiftan, Y. Geerlings, H. & Stead, D. *Transition towards Sustainable Mobility: the Role of Instruments, Individuals and Institutions*, Aldershot: Ashgate, 53-69

Pel, B., Teisman, G. & Boons, F. (2012), 'Transition by translation: The Dutch travel information innovation cascade', Geels, F., Kemp, R. Dudley, G. & Lyons, G. (eds.) *Automobility in transition?*, London: Routledge

Pel, B. (2009), 'The complexity of self-organization: boundary judgments in traffic management', Teisman, G., van Buuren, A. & Gerrits, L. (eds.) (2009), *Managing Complex Governance Systems*, New York: Routledge, 116-133

Pel, B. (2008), 'Burgerschap in het verkeer', ('Citizenship in traffic'), Alberts, G. et al. (eds.), *Jaarboek Kennissamenleving 2008*, Amsterdam: Aksant, 53-68

Pel, B. (2006), 'Consolidation of (Mobility) System Innovations', van den Burg, S., van der Ham, R. & Grin, J. (eds.) (2006), *Beleid In Transitie*, 173-177

Articles in professional journals:

Pel, B. (2010), 'Netwerkmanagement voor systeeminnovatie', ('Network management for system innovation'), *NM- tijdschrift voor netwerkmanagement*, 5 (2), 29-32

Conference papers:

Pel, B. (2012), Reconfiguring what network? (Road) network synchronization in Dutch traffic management, paper for the Third Berlin Forum on Innovation In Governance, May 31st – June 1st 2012, Berlin, Germany

Pel, B., Edelenbos, J. & van Buuren (2012), The design of design: A systems approach to Integral Planning and spatial Design in the Dutch Southwest Delta, presentation/extended abstract for the 2nd European Forum for Studies of Policies for Research and Innovation conference, June 12th - 13th 2012, Karlsruhe, Germany

Pel, B. (2012), Interactive Metal Fatigue; A critical lens for the assessment of socio-technical reconfigurations in traffic, paper for the Interactive Metal Fatigue conference, June 6th -8th 2012, Rotterdam, the Netherlands

Pel, B. (2009), 'The politics of experimentation; definitional power in the case of the Dutch highway 80 km zones', KSI conference 2009 - Dynamics and Governance of Transitions to Sustainability, 04-05 June 2009, Amsterdam

Pel, B. & Teisman, G. (2009), 'Governance of transitions as selective connectivity', IRSPM conference, 8-10 April 2009, Copenhagen (Denmark)

Pel, B. & Teisman, G. (2009), 'Mobiliteitsbeleid als klimaatbeleid of watermanagement; zelforganisatie als aangrijpingspunt voor effectieve beleidsmatige interventies', Colloquium Vervoersplanologisch Speurwerk, 19-20 November 2009, Antwerpen (Belgium)

Pel, B. (2009), 'Ketenoptimalisering in Verkeersinformatie (1996-2009)' ('Chain optimization in traffic information (1996-2009)'), NIG Annual Work Conference, 12-13 November 2009, Leiden

Pel, B. (2008), 'Transition by system reproduction? The role of traffic management in the mobility transition', Building Networks for a Brighter Future Conference, 10-12 November 2008, Rotterdam

Pel, B. (2007), 'ICT and self-organizing traffic order', NIG annual conference, 8 November 2007, Tilburg

Pel (2007), 'Governance of a complex transport system; the case of traffic management', Fourth Dubrovnik Conference On Sustainable Development of Energy, Water And Environment Systems, 4-8 June 2007, Dubrovnik (Croatia)

Avelino, F., van Bakel, J., Dijk, M., Nijhuis, J., Pel, B. & Verbeek, D. (2007), 'An Interdisciplinary Perspective On Dutch Mobility Governance', Fourth Dubrovnik Conference On Sustainable Development of Energy, Water And Environment Systems, 4-8 June 2007, Dubrovnik (Croatia)

Special Achievements

Best scientific paper award for Pel, B. & Teisman, G. (2009), 'Mobiliteitsbeleid als klimaatbeleid of watermanagement; zelforganisatie als aangrijpingspunt voor effectieve beleidsmatige interventies', ('Transport policy as climate policy or water management; self-organisation as point of application for effective policy interventions') Colloquium Vervoersplanologisch Speurwerk 19-20 November 2009, Antwerpen (Belgium)

Referees:

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