

First winter meeting of EURO Working Group on Behavioural OR (EWG-BOR)

29. / 30. January 2018



EURO Working Group on Behavioral OR: <http://bor.aalto.fi/index.html>

Program

This first winter meeting of the EURO working group on Behavioural Operational Research (EWG-BOR) provides an opportunity for exchange between European OR academics, teachers, and practitioners. It also aims at providing guidance for developing effective OR-supported interventions. The program includes a keynote presentation by Prof. Detlof von Winterfeldt, presentations and posters by participants, discussions, and workshops. In the four workshops, led by renowned facilitators, different types of problem structuring approaches will be applied to the same environmental decision problem.

Content

Schedule	2
Review session: Schedule of 3 minute pitches (in order of presentation)	5
Guidelines Talks (Tuesday)	6
Guidelines review session (Monday): Review pitch presentations & posters	6

Schedule

Monday, 29. Jan. 2018

<u>Time</u>	<u>Topic</u>	<u>Room</u>
08.00 – 08.30	Registration / setting up posters	Registration: in front of FC C20 / Posters: main hall
08.30 – 08.45	Welcome, introduction	FC C20
08.45 – 09.45	Keynote von Winterfeldt, Detlof; <i>Biases in judgment and decision making: History and relevance for prescriptive analysis</i> , Tiberti Chair for Ethics and Decision Making; Viterbi School of Engineering; Univ. of South. California, US	FC C20
09.45 – 10.15	Coffee break	in front of FC C20
10.15 – 11.00	Introduction to workshops and task Different problem structuring approaches applied to same decision problem.	FC C20
11.00 – 12.10	Session 2: review session (plenary); 3 mins. review pitch (see page 5) Session chair: Judit Lienert	FC C20
12.10 – 12.20	Group foto	Staircase to main hall (level B)
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12.20 – 13.30	Sandwich lunch and poster session	Main hall
13.30 – 15.00	2 parallel workshops (25 persons each; choose when registering): Bring your laptop for online feedback!	
	a) Cognitive mapping Alberto L. Franco & Ashley Carreras , Loughborough University, UK	FC C24
	b) System dynamics / group model building Etienne Rouwette , Radboud University, NL	FC D24
15.00 – 15.30	Coffee break	in front of FC C20
15.30 – 17.00	2 parallel workshops	
	c) PROMETHEE-GAIA Bertrand Mareschal , Université Libre de Bruxelles, BE	FC C24
	d) Value focused decision analysis Gilberto Montibeller , Loughborough University, UK	FC D24
17.00 – 18.00	Plenary discussion, feedback; results online survey Moderator: Raimo Hämmäläinen , Aalto University, FI	FC C20

Transfer to Zürich (public transport)

19.30 Dinner in Zürich: Cheese fondue at Le Dézaley, Römergasse 7+9, 8001 Zürich
<https://www.le-dezaley.ch/en/>

Tuesday, 30. Jan. 2018

<u>Time</u>	<u>Topic</u>	<u>Room</u>
08.30 – 09.50	Session 3 talks: BOR / Methods; 4 talks à 20 mins (plenary) Session chair: Raimo Hämäläinen	FC C20
08.30 – 08.50	Mousseau, V.; Pirlot, M. <i>A new form of intransitivity of indifference: experimental evidence and formal analysis.</i> Université Paris Saclay, CentraleSupélec, LGI, Gif sur Yvette, FR	
08.50 – 09.10	Siebert, J.; Kunz, R. <i>What can you do to be more satisfied with your life? Answer: Be more proactive in your decision making!</i> Management Center Innsbruck, Innsbruck, AT; University of Bayreuth, Faculty of Law, Economics and Management, Bayreuth, DE	
09.10 – 09.30	Engin, A.; Vetschera, R. <i>Optimistic overconfidence in bidding behavior with differently represented cost feedback in electronic reverse auctions.</i> University of Vienna, Vienna, AT	
09.30 – 09.50	Lahtinen, T. J.; Hämäläinen R. P. <i>Behavioral effects in two procedures for creating a strategy portfolio for climate change mitigation.</i> Systems Analysis Laboratory, Aalto University, FI	
09.50 – 10.20	Coffee break	in front of FC C20
10.20 – 12.00	Session 4 talks: BOR / Methods; 5 talks à 20 mins (plenary) Session chair: Alice Aubert	FC C20
10.20 – 10.40	Krejčí, J.; Siebert, J. <i>Debiasing belief perseverance in the context of fake news.</i> Department of Industrial Engineering, University of Trento, IT	
10.40 – 11.00	Mustajoki, J.; Marttunen, M.; Rytkönen, A.-M. <i>Risk attitudes and behavioral biases in operative regulation of water courses.</i> Freshwater Centre, Finnish Environment Institute, Helsinki, FI	
11.00 – 11.20	Bertsch, V.; Harold, J.; Hyland, M. <i>What drives people's opinions and preferences related to energy infrastructure developments? A multi-national analysis.</i> Economic and Social Research Institute and Trinity College Dublin, IE	
11.20 – 11.40	Brison, V.; Pirlot, M. <i>MCDA in environmental assessment contexts.</i> Université de Mons, Faculté Polytechnique, BE	
11.40 – 12.00	Arvai, J. <i>Decision support for sustainability: Research on the Why and the How.</i> Erb Institute for Global Sustainable Enterprise, School for Environment & Sustainability, and the Stephen M. Ross School of Business, University of Michigan, Ann Arbor, US	
12.00 – 13.30	Lunch	Main hall
12.00 – 13.30	EWG-BOR board meeting	Aqualino

- 13.30 – 15.10** **Session 5 talks: Environment & practice interventions** FC C20
5 talks à 20 mins (plenary) ; Session chair : Judit Lienert
- 13.30 – 13.50 **Spano, M.; Korzilius H.** *Strategic workforce planning: Implementing and operating System Dynamics models on an ongoing basis.* Radboud University, Nijmegen, NL
- 13.50 – 14.10 **White, L.; Kunc, M.; Malpass, J.; Burger, K.** *Introducing ORBIT: The Operational Research Behavioural Interventions Toolkit,* University of Warwick Business School, Coventry, UK
- 14.10 – 14.30 **Lück, A.; Nyga, I.** *On behavior of participants in multi-criteria modelling processes for water infrastructure planning: Case study approach.* Department of Construction Economics, Bauhaus-Universität Weimar, Weimar, DE
- 14.30 – 14.50 **Norese, M. F.** *How behavioural aspects can positively affect the actors of decision aid processes.* Department of Management and Production Engineering, Politecnico di Torino, IT
- 14.50 – 15.10 **Hujala, T.; Takala, T.; Hokajärvi, R.; Tikkanen, J.** *Facilitating collaborative problem scrutiny with varying working modes – building a decision-support model for multiobjective bioeconomy farms.* University of Eastern Finland, School of Forest Sciences, Joensuu, FI
- 15.10 – 15.30** **Coffee break** in front of FC C20
- 15.30 – 16.00** **Plenary BOR business meeting;** FC C20
Perspectives & experiences on BOR;
General information upcoming events
Feedback on 1st meeting: what to keep / what to change?

→ It is possible to be at the airport by 5 pm (take the tram 12 from “Dübendorf Giessen” at 16.21 / or 16.36; arriving at “Zürich Flughafen” at 16.42 / or 16.57)

Review session: Schedule of 3 minute pitches (in order of presentation)

Todella, E. *Experimental use of Strategic Choice Approach (SCA) by individuals as an architectural design tool.* Politecnico di Torino, Department of Architecture and Design, IT

Todella, E.; Lami I. M.*; Armando, A. *Experimental use of Strategic Choice Approach (SCA) by individuals as an architectural design tool.* Politecnico di Torino, Architecture and Design Department, Turin, IT

Marttunen, M.; Tahikainen, M.; Lienert, J. *Asymmetry bias in Multi-Criteria Decision Analysis.* Finnish Environment Institute, Helsinki, FI

Klotz, A.; Haeussler S.; Schneckenreither, M.; Stefan, M. *The lead time syndrome: The coordination behavior of human planners in multi-period production planning.* University: Management Center Innsbruck (MCI), Department of Industrial Engineering & Management, Innsbruck, AT

Haag, F.; Lienert, J. *The many (inter)faces of preference elicitation: building adaptable interactive applications.* Eawag: Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, CH; ETH Zürich, Institute of Biogeochemistry and Pollutant Dynamics, Zürich, CH

Giordano, R.; Pluchinotta I.; Zikos, D.; Tsoukiàs, A. *Integrating Concept-Knowledge theory and Problem Structuring Methods for enabling collective decision-making process for groundwater protection: some hints from Cyprus case study.* Water Research Institute – National Research Council (CNR-IRSA), Bari, IT

Christie, J. *Supporting strategic decision-making in the UK government: The OR practitioner, intervention design and project outcomes.* Kent Business School, University of Kent, UK

Bensouissi S.; Pirlot, M.* *Recommender systems in which preferences are explicitly modeled.* Université de Mons, Faculté Polytechnique, BE

Belton, V.; Andersen D. *A Matter of Importance: can we define it in a way that is meaningful to decision makers?* University of Strathclyde, Glasgow, UK

Bach, P. M.; McCarthy, D. T.; Deletic, A. *Modelling the planning of sustainable urban stormwater infrastructure – influencing greenfield outcomes through stakeholder preferences.* Eawag: Swiss Federal Institute of Aquatic Science & Technology, Dübendorf, CH; Monash Infrastructure Research Institute, Civil Engineering Department, Monash University, Clayton VIC 3800, AU; School of Civil and Environmental Engineering, University of New South Wales Sydney, NSW 2052, AU

Aubert, A. H.; Lienert J. *Gamified preference elicitation surveys: learning to construct preferences.* Eawag: Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, CH

* presenting paper

Guidelines Talks (Tuesday)

- Max. 15 minutes + 5 mins discussion / questions (= around 15 slides)
- We will be strict with the time!
- Bring your presentation on a memory stick; we have computers
- Come to the meeting room 15 mins. in advance to install presentation on computer OR contact one of us on Monday to give us your presentation

Guidelines review session (Monday): Review pitch presentations & posters

- Bring your printed poster with you
- Format: A0: 841 mm (horizontal) x 1189 mm (vertical)
- Set up posters in the main hall of Forum Chriesbach during registration:
Monday morning 8.00 – 8.30 (we will assist you)

Send us your review pitch as powerpoint or pdf by Thursday, 25.01.2018!

Reason: we need to organize session beforehand, else it will not work.

You have 3 mins. maximum = 2 – 3 slides!

- We will be strict with the time!

Please note:

- This format is unusual; we would like to test it with you. It is successfully used at Eawag in our annual Symposium. People enjoy it.
- It is an art to present your project like this – use the opportunity as training!
- Sell your research; attract people to your poster. You can discuss in-depth during the poster session and the remainder of the meeting.
- Please come with your full presentation to the BOR session of the [EURO 2018](#) conference in Valencia.