The science of choice
How to model the decision-making process?

Rostock, October 28 to 30, 2015

VENUE
Max-Planck-Institute for Demographic Research
Konrad-Zuse-Straße 1
18057 Rostock
 demogr.mpg.de
### Wednesday, October 28

Presentations will be 30 minutes, followed by a 15 minutes discussion.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>10:30</td>
<td>Welcome (Frans Willekens)</td>
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</table>
| 10:45  | **Keynote Lecture:** Modeling Choice  
*Joan Walker*                                           |
| 12:15  | Lunch                                                                                             |
| 13:00  | **Session: The decision who to enter a relationship with**  
Chair: Stefanie Kley                                    |
|        | *Sebastian Pink and Lars Lezczensky*                                                            |
|        | Ethnic segregation of friendship networks in school: Testing a rational-choice argument of differences in ethnic homophily between classroom- and grade-level networks |
|        | *André Grow and Jan von Bavel*                                                                   |
|        | Mate choice and preferences: The reversal of the gender gap in education and its consequences for union formation and stability in Europe |
|        | *Lucky Singh*                                                                                    |
|        | Examining the association between social network and mental health among older adults: Evidence from a rural Indian setting |
| 15:15  | Coffee                                                                                            |
| 15:45  | **Session: The decision to migrate**  
Chair: Jakub Bijak                                      |
|        | *Anna Klabunde, Frans Willekens, Sabine Zinn and Matthias Leuchter*                              |
|        | Life course modeling extended by behavioral rules - Migration from Senegal to Southern Europe     |
|        | *Ruth Achenbach*                                                                                 |
|        | A qualitative model of return migration decisions of highly skilled Chinese in Japan              |
|        | *Stefanie Kley*                                                                                 |
|        | Facilitators and constraints at each stage of the migration process                              |
| 19:00  | Conference Dinner                                                                               |

### Thursday, October 29

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>09:00</td>
<td><strong>Session: Implementation of decision-making in simulation studies I</strong></td>
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<tr>
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<td>Chair: Frans Willekens</td>
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<td><em>Jonathan Gray, Jason Hilton and Jakub Bijak</em></td>
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<td>Choosing a choice model: Reflections on modelling decisions and behaviour in agent-based models</td>
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<td><em>Tom Warnke, Anna Klabunde, Sebastian Plath, Oliver Reinhardt, Frans Willekens, and Adelinde Uhrmacher</em> Modelling and simulating decision processes with a domain specific language</td>
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<tr>
<td>10:30</td>
<td>Coffee</td>
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</tbody>
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### Thursday, October 29

**11:00-12:30**  
**Session: Implementation of decision-making in simulation studies II**  
Chair: Anna Klabunde

- *Martin Klein*  
  Modeling investment choices: The case of roof-top solar photovoltaics in Germany

- *Ingo Wolf and Tobias Schröder*  
  Social life versus enjoyment of nature: Modeling competing psychological needs underlying housing decisions as parallel constraint satisfaction

**12:30-13:30**  
Lunch

**13:30-15:00**  
**Session: Decision-making in couples**  
Chair: André Grow

- *Christian Schmitt and Pia Schober*  
  Fertility decision making, bargaining power and preference reconciliation in couples

- *Naa Dadua Dodoo and Francis Dodoo*  
  More than just ‘final say’: Developing a survey measure of the process of household decision-making in Ghana

**15:00-15:30**  
Coffee

**15:30-17:00**  
**Session: Decisions involving strategic interaction and bargaining from a theoretical perspective**  
Chair: Sebastian Pink

- *Linh Chi Nguyen and Luciano Andreozzi*  
  Evolution of behaviors in repeated bargaining game. A computer simulation study

- *Geeske Scholz*  
  Social influence in the decision process

**19:00**  
Informal dinner and get-together in a traditional Rostock pub

### Friday, October 30

**09:00-10:30**  
**Session: The decision to have a child**  
Chair: Thomas Fent

- *Maria Rita Testa and Dimiter Philipov*  
  Intended family trajectories and education

- *Ridhi Kashyap*  
  An application of the ‘ready, willing and able’ framework to sex ratio at birth distortions: A simulation approach
10:30-11:00  Coffee

11:00-12:30  Session: Decisions related to the working life  
Chair: Alexia Fürnkranz-Prskawetz

Sebastian Bähr, Martin Abraham, Katharina Diener and Gerhard Krug
Do fathers’ flexible working schedules influence their decision to support mothers’ return to employment? A factorial survey analysis

Meritxell Sole, Concepció Patxot, Guadalupe Souto and Martin Spielauer
The retirement decision in a context of reforms and economic crisis: a microsimulation approach

12:30-13:30  Lunch

13:30-14:00  Summary and further steps

14:00  End of workshop

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18057 Rostock  
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CONFERENCE DINNER (Wednesday)

Zwanzig12  
Schnickmannstr. 14  
18055 Rostock  
✉️ zwanzig12.de

GET-TOGETHER (Thursday)

Braugasthaus „Zum alten Fritz“  
Warnowufer 65  
18057 Rostock  
✉️ alter-fritz.de

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