



International Workshop on Heterogenous Dynamic Models of Economic and Population Systems

1 December – 2 December 2016

Venue: Vienna University of Economics and Business – Campus WU,
Welthandelsplatz 1, 1020 Vienna

Building AD, Conference room 1

Program

Thursday, 1 December 2016

08:30 – 08:50 Registration

08:50 - 09:00 Opening

Session 1: Chair: R.F. Hartl

09:00 - 09:35 Feichtinger, G., Fűrnkranz-Prskawetz, A., Sanchez-Romero, M.,
Wrzaczek, S.

Do intergenerational transfers increase wealth inequality?

09:35 - 10:10 Heijdra, B., Kindermann, F., Reijnders, L.S.M.

*Life in shackles? The quantitative implications of reforming the
educational financing system*

10:10 - 10:45 Palokangas, T., Lemijoki, U.

Fertility, mortality and environmental policy

10:45 – 11:15 COFFEE BREAK

Session 2: Chair: A. Fürnkranz-Prskawetz

- 11:15 - 11:50 Frankovic, I., Kuhn, M., Wrzaczek, S.
Life-cycle behavior in the face of large shocks to health: a modeling approach
- 11:50 - 12:25 Strulik, H.
Smoking kills: An economic theory of addiction, health, and longevity
- 12:25 - 13:00 Behringer, S., Upmann, T.
Optimal traverses in spatial resource harvesting
- 13:00 - 14:15 LUNCH

Session 3: Chair: S. Behringer

- 14:15 - 14:50 Fabbri, G.
Some recent developments on endogenous spatial growth models
- 14:50 - 15:25 Kerndler, M.
Towards a more realistic life-cycle model of the labor market
- 15:25 - 16:00 Prettner, K., Hof, F.X.
The quest for status and R&D-based growth
- 16:00 - 16:30 COFFEE BREAK

Session 4: Chair: S. Anita

- 16:30 - 17:05 Heijnen, P., Dam, L.
Catastrophe and cooperation
- 17:05 - 17:40 Hartl, R.F., Kort, P.M., Wrzaczek, S.
Planned obsolescence in a vintage model of the firm
- 17:40 - 18:15 Rovenskaya, E.
Optimal harvesting of a size-structured forest under the perfect plasticity approximation assumption
- 19:00 Dinner (Wine Tavern "10er Marie")

Friday, 2 December 2016

Session 5: chair: F. Gozzi

- 09:00 - 09:35 Anita, S.
Regional control in optimal harvesting
- 09:35 - 10:10 Belyakov, A.
Necessary conditions for infinite horizon optimal control problems revisited
- 10:10 - 10:45 Davidov, A.
Averaged optimization and cyclicity
- 10:45 - 11:15 COFFEE BREAK

Session 6: chair: G. Feichtinger

- 11:15 - 11:50 Upmann, T., Uecker, H.
Optimal fishery with coastal catch
- 11:50 - 12:25 Bondarev, A., Greiner, A.
Endogenous leadership and market inefficiency in differential game of R&D
- 12:25 - 13:00 Dupuis, X., Gozzi, F.
Optimal investment models with vintage capital and state constraints