GEM: Game Theory – Economics and Mathematics

6th International Workshop
University of Southern Denmark on June 7th 2017

Hosted by the Department of Business and Economics
Organizers: Trine Tornøe Platz and Peter Sudhölter

Financially supported by Department of Business and Economics,
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Program

All regular sessions take place in the Department seminar room

9:15-9:25	**Arrival**	
9:25-9:30	**Welcome** Peter Sudhölter (University of Southern Denmark)	

Session 1
Chair: Karol Szwagrzak (University of Southern Denmark and Copenhagen Business School)

9:30-11:00 **A model of anonymous influence with anti-conformist agents**
Agnieszka Rusinowska (Paris School of Economics)

Characterization of TU games with stable cores by nested balancedness
Michel Grabisch (Paris School of Economics)

11:00-11:15 **COFFEE BREAK**

Session 2
Chair: Rafael Treibich (University of Southern Denmark)

11:15-12:45 **Index and uniqueness of symmetric equilibria**
Bernhard von Stengel (London School of Economics)

The least square approach on discrete cost allocation problems
Jose M. Zarzuelo, (Basque University of Bilbao and SDU)

12:45-14:00 **LUNCH**

Session 3
Chair: Agnieszka Rusinowska (Paris School of Economics)

14:00-15:15   **Additive adjudication of conflicting claims**
                               Karol Szwagrzak (University of Southern Denmark and
                               Copenhagen Business School)

                               Co-management and cooperative self-enforcement
                               Lone Grønbæk (University of Southern Denmark)

15:15-15:30   **COFFEE BREAK**

Session 4
Chair: Bernhard von Stengel (London School of Economics)

15:30-17:30   **(Over)weighting nations: Optimal decision rules under
                               participation constraints**
                               Rafael Treibich (University of Southern Denmark)

                               **On totally balanced, submodular and PMAS-admissible
                               weighted minimum coloring games**
                               Trine Tornøe Platz (University of Southern Denmark)

                               **On the generic finiteness of equilibrium distributions for
                               outcome game forms**
                               Peter Sudhölter (University of Southern Demark)

                               A small reception

17:30-18:00   Piano concert in O77 by Michel Grabisch

19:00   **DINNER**

Preface
Game theory is a branch of applied mathematics that is mainly used in economics,
political science, psychology, logic, computer science, and evolutionary biology. The
international GEM workshop gathers scientists predominantly from economics and
mathematics departments for scientific presentations and discussions of mathematical
foundations of game theory as well as of applications of game theory in economics,
particularly in microeconomics.