

Wednesday, May 24, 2000

09.00 -10.30	Opening Sessions
09.00 -09.30	Welcome Address
09.30 -10.30	Semi-plenary sessions
09.30 -10.30	Ludwig-Urban-Saal Chairperson: G. Sorger C. Hommes: Expectations in the laboratory
09.30 - 10.30	Kleiner Festsaal Chairperson: R.F. Hartl B. Rustem: Algorithms for worst-case design and applications
11.00 - 12.30	Parallel sessions
11.00 - 12.30	Section 4: Nonlinear Dynamical Systems - labour Kleiner Festsaal Chairperson: K. Nishimura
11.00 - 11.30	R. Hule: Economic growth with labor market hysteresis
11.30 - 12.00	I.Kubin: Inter-Regional Labour Mobility and Industrial Location
12.00 - 12.30	A. Belke: Exchange Rate Uncertainty and Employment: An Algorithm Describing 'Play'
11.00 - 12.30	Section 4: Nonlinear Dynamical Systems - time series Ludwig-Urban-Saal Chairperson: S. Kaufmann
11.00 - 11.30	S. Kaufmann: The volatility of stock market returns: Markov chain Monte Carlo analysis of a switching ARCH model
11.30 - 12.00	D. Yeung: A Multi-dimensional Stochastic Process for Generalised Asset Price Dynamics
12.00 - 12.30	G. Tsiotas: Conditional Simulation Results in NLSVM
11.00 - 12.30	Section 3: Dynamic Games - theoretical Arthur-Krupp-Saal Chairperson: R. Neck
11.00 - 11.30	D. Ayoshin: Value of dynamic game with partial cooperation
11.30 - 12.00	J. Hofbauer: A differential game in evolutionary game theory
12.00 - 12.30	G. Keller: Strategic Experimentation with Public/Private Information
14.00 - 16.00	Drug Models Arthur-Krupp-Saal Chairperson: G. Feichtinger
14.00 - 16.00	Section 3: Dynamic Games - macroeconomics Kleiner Festsaal Chairperson: P. Flaschel
14.00 - 14.30	C. Koulovatianos: Dynamic Fiscal-Policy Games In Neoclassical And Linear-Growth Frameworks
14.30 - 15.00	R. Neck: OPTGAME: An Algorithm for Determining Equilibrium Solutions of Nonlinear Discret-Time Dynamic Games
15.00 - 15.30	H. Strulik: Property Rights and Growth
15.30 - 16.00	B. Süßmuth: Endogenously-timed Herding and the Synchronization of Investment Cycles
14.00 - 16.00	Section 3: Dynamic Games - theoretical Richard-Schöller-Saal Chairperson: L. Petrosjan
14.00 - 14.30	L. Petrosjan: Differential Games with Uncertain Terminal Payoffs
14.30 - 15.00	S. Pickl: Optimization of an n-Person Game Under Linear Side Conditions
15.00 - 15.30	J. Rincon-Zapatero: Characterization of non-smooth subgame-perfect Nash equilibria in Differential Games
15.30 - 16.00	J. Scheffran: Stability of Cost-Benefit Dynamic Games with Cooperative Preference Control

14.00 - 16.00	Section 5: Agent based computational economics - micro & macro Ludwig-Urban-Saal Chairperson: C. Deissenberg
14.00 - 14.30	C. Deissenberg: Transmission of information and wealth accumulation in an economy with heterogeneous agents
14.30 - 15.00	M. Iacopetta: Technology Adoption in Presence of Diversity of Opinion
15.00 - 15.30	S. Iwanaga: Nonlinear Dynamics between Micromotives and Macrobehavior
15.30 - 16.00	N. Vriend: On Information-contagious Behavior
16.30 - 18.00	Section 3: Dynamic Games - applications (non economic) Arthur-Krupp-Saal Chairperson: D. Yeung
16.30 - 17.00	S. Mangold: Game Theoretical Approaches for Spectrum Sharing in Wireless Communication
17.00 - 17.30	F. Elourdighi: The Dynamics of Cooperation
17.30 - 18.00	P. Bardsley: Dynamic Addiction Games
16.30 - 18.00	Section 4: Nonlinear Dynamical Systems - Indeterminacy Kleiner Festsaal Chairperson: A. Venditti
16.30 - 17.00	K. Nishimura: Indeterminacy Under Constant Returns to Scale in Multisector Economies
17.00 - 17.30	P. Senesi: Externalities, Optimal Policy and Indeterminacy of Equilibria
17.30 - 18.00	A. Venditti: Direct Multiple Shooting Methods for Offline and Online Solution of Optimal Control Problems governed by Differential-Algebraic Equations
16.30 - 18.00	Section 1: (mostly) Deterministic Optimal Control - Optimal Control Ludwig-Urban-Saal Chairperson: B. Rustem
16.30 - 17.00	H. Bock: Direct Multiple Shooting Methods for Offline and Online Solution of Optimal Control Problems governed by Differential-Algebraic Equations
17.00 - 17.30	R. Romera: Limiting Optimal Discounted-Cost Control Of Partially Observable Time-Varying Stochastic Systems
17.30 - 18.00	P. Brito: Local bifurcations in optimal control problems of four dimensional ODE systems
16.30 - 18.00	Section 6: Expectations and learning - Learning in Macro-Models Richard-Schöller-Saal Chairperson: L. Sögner
16.30 - 17.00	L. Sögner: Learning by Exponential Smoothing in a Capital Market Model
17.00 - 17.30	A. Förster: The Dynamics of Expectation Formation and Exchange Rate Fluctuations
17.30 - 18.00	H. Dawid: A Comparison of Adaptive and Intertemporally Optimal Behavior in One Sector Growth Models

Thursday, May 25, 2000

09.00 - 10.30	Section 4: Nonlinear Dynamical Systems - self organization, chaos, and sunspots Kleiner Festsaal Chairperson: D. Helbing
09.00 - 09.30	D. Helbing: Optimal Self-Organization and Economics-Based Optimization of Unstable Flows
09.30 - 10.00	A. Matsumoto: Can Chaos Improve Welfare?
10.00 - 10.30	A. Medio: Stochastic Stability And Sunspots. A General Result

09.00 - 10.30	Section 6: Expectations and learning - Dynamics of the Firm Ludwig-Urban-Saal Chairperson: S. Joergensen
09.00 - 09.30	A. Tarasyev: Dynamical Optimality Principles in Investment Problems
09.30 - 10.00	B. Viscolani: Advertising policies and bounded productivity: a variation on the Nerlove-Arrow model
10.00 - 10.30	J. Wielhouwer: Optimal Dynamic Investment Policy Under Different Rates for Tax Depreciation and Economic Depreciation
09.00 - 10.00	Section 2: Stochastic Optimal Control - Environment and Resource Problems Richard-Schöller-Saal Chairperson: F. Wirl
09.00 - 09.30	T. Dangl: The Consequences of Uncertainty on Optimal Intertemporal Abatement Policies Concerning Stock Creating Emissions
09.30 - 10.00	H. Ohta: Sustainability in Resource Economies: Revisited
09.00 - 10.00	Section 6: Expectations and learning - Evolutionary Games Neuer Saal Chairperson: J. Hofbauer
09.00 - 09.30	C. Lawrenz: Emergence of Coordination in Evolutionary Games
09.30 - 10.00	A. Namatame: Social Evolutionary Games
11.00 - 12.30	Section 1: (mostly) Deterministic Optimal Control - Skiba Kleiner Festsaal Chairperson: D. Dechert
11.00 - 11.30	F. Wirl: History Dependence due to Unstable Steady States in Concave Intertemporal Optimizations
11.30 - 12.00	R. Hartl: History dependence in simple capital accumulation models
12.00 - 12.30	J. Haunschmied: A DNS-Curve in a Two State Capital Accumulation Model: a Numerical Analysis
11.00 - 12.30	Section 3: Dynamic Games - Environment and Resource Problems Ludwig-Urban-Saal Chairperson: S. Katayama
11.00 - 11.30	F. Cabo: Capital Transfers vs. Biodiversity: a North-South Trade Differential Game
11.30 - 12.00	R. McKelvey: Game-Theoretic Analysis Of Fisheries Disputes On The High Seas
12.00 - 12.30	G. Zaccour: Time-Consistent Shapley Value Allocation of Pollution Cost Reduction
11.00 - 12.30	Section 4: Nonlinear Dynamical Systems - Business Cycles Richard-Schöller-Saal Chairperson: C. Hommes
11.00 - 11.30	R. Dieci: Multiple Attractors And Global Bifurcations In A Kaldor-Type Business Cycle Model
11.30 - 12.00	T. Ishikawa: Asymmetric Real Business Cycles
12.00 - 12.30	S. Sordi: Persistent fluctuations in Goodwin's 'A Growth Cycle' when workers save"
11.00 - 12.00	Section 6: Expectations and Learning - Interaction and Matching Models Neuer Saal Chairperson: W. Eichhorn
11.00 - 11.30	J. Manduchi: Multiple Equilibria And Macroeconomic Fluctuations In An Economy With Transaction Costs
11.30 - 12.00	J. Sadiraj: The interaction between interest groups and political parties: a bounded rationality approach

14.00 - 16.00	Section 1: (mostly) Deterministic Optimal Control - Skiba Kleiner Festsaal Chairperson: M. Santos
14.00 - 14.30	D. Dechert: Lakegame
14.40 - 15.00	M. Santos: Equilibrium Dynamics in Models with Physical and Human Capital
15.00 - 15.30	W. Semmler: Dynamic optimization and Skiba sets in economic examples
15.30 - 16.00	G. Tragler: Skiba Thresholds and Curves in Applied Optimal Control
14.00 - 16.00	Section 1: (mostly) Deterministic Optimal Control - Environment and Resource Problems Neuer Saal Chairperson: H. Ohta
14.00 - 14.30	E. Cerda-Tena: Optimal sequence of landfills in solid waste management
14.40 - 15.00	R. Goetz: Forest Management and Selective Logging – a Numerical Approach for Distributed Optimal Control Based on Weighted Residuals and Mathematical Programming
15.00 - 15.30	G. Kirakossian: Optimal Control of Water Recycling in Mining
15.30 - 16.00	M. Leimbach: New Methods of Climate Policy Decision Support
14.00 - 16.00	Section 4: Nonlinear Dynamical Systems - Fiscal / Monetary Ludwig-Urban-Saal Chairperson: A. Gaunersdorfer
14.00 - 14.30	P. Flaschel: The Nonlinear Dynamics of Debt Deflation: Low and High Order Representations
14.40 - 15.00	P. Mikek: Consequences Of Policy Interactions For The Price Level In An Open Economy
15.00 - 15.30	K. Sladky: Analytical Treatment and Computer Modelling of Dynamical IS-LM Systems
15.30 - 16.00	F. Westerhoff: Speculative Behavior, Exchange Rate Volatility, and Central Bank Intervention
14.00 - 16.00	Section 6: Expectations and Learning - Learning in Repeated Games Richard-Schöller-Saal Chairperson: M. Bischi
14.00 - 14.30	M. Bischi: A Nonlinear Cournot Game With Adaptive Expectations
14.40 - 15.00	S. Rady: Market Experimentation in a Dynamic Differentiated-Goods Duopoly
15.00 - 15.30	J. Tuinstra: Endogenous Fluctuations under Evolutionary Pressure in Cournot Competition
15.30 - 16.00	H. van de Velden: Simple Behavioral Rules in a Symmetric Cournot Duopoly Game
16.30 - 18.30	Section 1: (mostly) Deterministic Optimal Control - Dynamics of the Firm Ludwig-Urban-Saal Chairperson: K. Kistner
16.30 - 17.00	A. Novak: Regulated Quality Diffusion Revisited
17.00 - 17.30	S. Joergensen: Optimal Ordering and Pricing Policies When Demand Depends on the Stock Level
17.30 - 18.00	K. Kistner: Optimal production-inventory strategies for a reverse logistics system
16.30 - 18.30	Section 4: Nonlinear Dynamical Systems - Population Games Kleiner Festsaal Chairperson: A. Prskawetz
16.30 - 17.00	G. Leitmann: Screening Policies for Control of an Infectious Disease
17.00 - 17.30	H. Kohler: Fertility Dynamics: Combining Social and Economic Factors
17.30 - 18.00	U. Loepold-Wildburger: Some New Lotka-Volterra-Experiments
18.00 - 18.30	T. Lindstroem: Global stability of a model for competing predators: an extension of the Ardito & Ricciardi Lyapunov function
16.30 - 18.00	Section 6: Expectations and Learning - Coordination of Boundedly Rational Agents Richard-Schöller-Saal Chairperson: A. Prskawetz
16.30 - 17.00	G. Bischi: Spillover Effects, Adaptive Learning and Long Run Market Shares
17.00 - 17.30	H. Lorenz: Bounded Rationality, the El-Farol Problem, and the Emergence of Complex Motion
17.30 - 18.00	M. Posch: Win Stay - Lose Shift Strategies with Adapting Aspiration Levels

Friday, May 26, 2000

09.00 - 10.30	Section 1: (mostly) Deterministic Optimal Control - Growth Ludwig-Urban-Saal Chairperson: W. Semmler
09.00 - 09.30	J. Faria: The modified golden rule with endogenous labor participation rate and efficiency wages
09.30 - 10.00	G. Ferragouto: Growth Under Habit Formation and Keeping Up With the Joneses
10.00 - 10.30	F. Hof: Relative Consumption and Endogenous Labor Supply in the Ramsey Model: Do Status-Conscious People Work Too Much?
09.00 - 10.30	Section 2: Stochastic Optimal Control - Investment under Uncertainty Richard-Schöller-Saal Chairperson: P. Kort
09.00 - 09.30	A. Bar-Ilan: Time-to-Build and Capacity Choice
09.30 - 10.00	K. Huisman: Effects of Strategic Interactions on Real Option Values
10.00 - 10.30	M. Peat: Simulating Lifetime Duration Distributions from a Stochastic Model of the Firm.
09.00 - 10.30	Section 4: Nonlinear Dynamical Systems - Cycles Kleiner Festsaal Chairperson: A. Matsumoto
09.00 - 09.30	A. Gaunersdorfer: A Nonlinear Structural Model for Volatility Clustering
09.30 - 10.00	H. Takahashi: Stable Optimal Cycles with Small Discounting in A Two-Sector Discrete-Time Model: A Non-bifurcation Approach
10.00 - 10.30	C. Weddepohl: Stability in overlapping generations model
11.00 - 13.00	Section 4: Nonlinear Dynamical Systems - Macroeconomics Kleiner Festsaal Chairperson: U. Leopold-Wildburger
11.00 - 11.30	W. Barnett: Stabilization Policy as Bifurcation Selection
11.30 - 12.00	M. Dworak: Income Inequality and the Vicious Circle
12.00 - 12.30	F. Wagener: Dynamics and bifurcation routes in financial markets with many types of traders
12.30 - 13.00	Y. Tashlitskaya: Attractor of the finite Langmuir's chain and modeling of technologies diffusion in industry
11.00 - 12.30	Section 2: Stochastic Optimal Control - Finance Ludwig-Urban-Saal Chairperson: G. Zaccour
11.00 - 11.30	M. Breton: Dynamic Game Model for pricing assets with embedded options
11.30 - 12.00	G. Miel: On the Numerical Valuation of American Options
12.00 - 12.30	J. Topper: Finite Element Methods in Bond and Option Pricing
14.00 - 16.00	Section 1: (mostly) Deterministic Optimal Control - Endogenous Growth Kleiner Festsaal Chairperson: G. Sorger
14.00 - 14.30	G. Sorger: Income distribution and endogenous growth
14.30 - 15.00	A. Greiner: Fiscal Policy in a Two-Country Endogenous Growth Model
15.00 - 15.30	M. Martinez-Garcia: Local Stability in Endogenous Growth Models
15.30 - 16.00	B. Sanchez-Robles: The Time-Elimination technique in practice: An application to models of endogenous growth with public capital
14.00 - 16.00	Section 3: Dynamic Games - Economic Applications Ludwig-Urban-Saal Chairperson: C. Chiarella
14.00 - 14.30	L. Fletcher: Nash-Cournot Equilibrium In A Dynamic Market
14.30 - 15.00	V. Pasetta: On Economic Property Rights Dilemma
15.00 - 15.30	T. Fent: A Dynamic Stackelberg Game of Offending and Law Enforcement
15.30 - 16.00	A. Luhmer: A Principal-Agent Problem in Continuous Time

14.00 - 16.00	Section 7: Miscellaneous Richard-Schöller-Saal Chairperson: M. Luptacik
14.00 - 14.30	W. Eichhorn: Model and Reality - The Principle of Simplicity within the Empirical Sciences
14.30 - 15.00	Y. Yegorov: Evolution of Trust in the Society
15.00 - 15.30	S. Pickl: Optimization of an n-Person Game Under Linear Side Conditions
09.00 -10.30	Closing Sessions
09.30 -10.30	Semi-plenary sessions
09.30 -10.30	Kleiner Festsaal Chairperson: G. Leitmann F. Clarke: The role of discontinuous feedback in control theory
16.30 - 17.30	Ludwig-Urban-Saal Chairperson: H. Dawid C. Chiarella: Asset Price Dynamics with Heterogeneous Beliefs, Risk and Learning
17.30 - 18.00	Closing Address