Time tables

Monday (June 17)

09:30–09:45	*Opening ceremony*		
09:45–10:30	Walther, H-O		
10:50–11:35	Pötzsche, C		
11:40–12:10	Győri, I	Núñez, C	
12:10–12:40	Nguyen, M	Hatvani, L	
14:30–15:00	Bélair, J	Simon, P	
15:00–15:30	Yanchuk, S	Polner, M	
15:30–16:00	Ruiz-Herrera, A	Han, X	
16:20–16:40	Gierzkiewicz, A	Balázs, I	Volek, J
16:40–17:00	Hénot, O	Bartha, FA	Oliveira, JJ
17:00–17:20	Szczelina, R	Du, Z	Boldog, P
17:20–17:40	Walawska, I	Eremin, A	Svoboda, Z
18:30–	*Welcome reception & Poster session* Benedek, G; Benke, JM; Beretka, S; Csuma-Kovács, R; Mur, T		

Tuesday (June 18)

09:00–09:45	Mallet-Paret, J		
09:45–10:30	Lessard, J-P		
10:50–11:35	Fiedler, B		
11:40–12:10	Nakata, Y	Caraballo, T	
12:10–12:40	Vas, G	Mugnai, D	
14:30–15:00	Appleby, J	Faragó, I	
15:00–15:30	Reynolds, D	Lóczi, L	
15:30–16:00	Matsunaga, H	Breda, D	
17:00–	*Excursion*		

Time tables

Wednesday (June 19)

09:00–09:45 09:45–10:30	Zou, X Gyllenberg, M		
10:50–11:35	Hofbauer, J		
11:40–12:10 12:10–12:40	Humphries, T Röst, G	Kovács, M Pap, G	
14:30–15:00 15:00–15:30 15:30–16:00	Boros, B Dénes, A Karsai, J	Mesquita, J Federson, M Pituk, M	
16:20–16:40 16:40–17:00 17:00–17:20 17:20–17:40	López Nieto, A de Wolff, B Schneider, I Garab, Á	Onitsuka, M Juránek, J Bánhelyi, B Csizmadia, L	Baštinec, J Buedo-Fernández, S Lois-Prados, C Pátíková, Z
19:00–	Conference dinner		

Thursday (June 20)

09:00–09:45 09:45–10:30	Verduyn Lunel, S Wolfrum, M		
10:50–11:20 11:20–11:50 11:50–12:20	Garay, BM Răsvan, V Simon Hilscher, R	Getto, P Hartung, F Nishiguchi, J	
14:30–14:50 14:50–15:10 15:10–15:30 15:30–15:50	Reinfelds, A Čermák, J Tóth, J Bognár, G	Švígler, V Stehlík, P Spek, L Neogrády-Kiss, M	Fujimoto, K Simon, L Hegedűs, J Cernea, A
16:20–16:40 16:40–17:00 17:00–17:20 17:20–17:40	Budzinskiy, S György, S & Kovács, S Lelkes, J Zsiros, Á	Andò, A Mincsovics, ME Ladics, T Pereira, A	Tekeli, T Muqbel, K Das, B Ibrahim, M

Friday (June 21)

09:00–09:45 09:45–10:30	Faria, T Liz, E		
10:50–11:20 11:20–11:50 11:50–12:20	Csendes, T Jaquette, J Atay, F	Diblík, J Padhi, S	
12:20–	Closing ceremony		

DETAILED PROGRAM

Monday (June 17)

Morning

09:30–09:45	**Opening ceremony**
09:45–10:30	**Walther, Hans-Otto:** Solutions with dense short segments from regular delays

Coffee break

10:50–11:35	**Pötzsche, Christian:** Bifurcations in periodic integrodifference equations

11:40–12:10	**Győri, István:** Unbounded and blow-up solutions for a delay logistic equation with positive feedback
12:10–12:40	**Nguyen, Minh:** Spectral theory of functions and asymptotic behavior of solutions of some functional differential equations

11:40–12:10	**Núñez, Carmen:** Nonautonomous Hopf bifurcation and Li–Yorke chaos
12:10–12:40	**Hatvani, László:** On the problem of damping

Afternoon

14:30–15:00	**Bélair, Jacques:** Stability analysis of an equation with two time delays and delay-dependant coefficients
15:00–15:30	**Yanchuk, Serhiy:** On absolute stability of delay differential equations with one discrete delay
15:30–16:00	**Ruiz-Herrera, Alfonso:** Criteria of global attraction in systems of delay differential equations with mixed monotonicity

14:30–15:00	**Simon, Péter:** Lyapunov functions to neural network models
15:00–15:30	**Polner, Mónika:** Delayed neural field equations in two-dimensional spatial domains
15:30–16:00	**Han, Xiaoying:** Sigmoidal approximation of Heaviside functions in neural lattice models

Coffee break

Contributed section A   **Chair: Jean-Philippe Lessard**

16:20–16:40	**Gierzkiewicz, Anna:** Computer-assisted proofs of chaos in low-dimensional dynamical systems
16:40–17:00	**Hénot, Olivier:** Validated numerics for the unstable manifold of delay differential equations
17:00–17:20	**Szczelina, Robert:** Some improvements in a rigorous integration of delay differential equations
17:20–17:40	**Walawska, Irmina:** Validated numerics for period-tupling and touch-and-go bifurcations of symmetric periodic orbits in reversible system

Contributed section B   **Chair: Serhiy Yanchuk**

16:20–16:40	**Balázs, István:** A differential equation with a state-dependent queueing delay
16:40–17:00	**Bartha, Ferenc A.:** On the stability of a system of delayed logistic equations with patch structure
17:00–17:20	**Du, Zengji:** The existence of solitary wave solutions of perturbed delayed Camassa–Holm equations
17:20–17:40	**Eremin, Alexey:** An approach to blow-up times detection for delay-differential equations

Contributed section C   **Chair: Xingfu Zou**

16:20–16:40	**Volek, Jonáš:** Multiplicity of critical points for minimax functionals and applications to differential equations
16:40–17:00	**Oliveira, José J.:** Global attractivity of the periodic solution for a periodic model of hematopoiesis
17:00–17:20	**Boldog, Péter:** Mean-field models of go-or-grow type with realistic cell cycle length distributions
17:20–17:40	**Svoboda, Zdeněk:** Positive monotone solutions of a neutral-type equation system

Tuesday (June 18)

Morning

Plenary section   **Chair: Hans-Otto Walther**

09:00–09:45	**Mallet-Paret, John:** Intricate structure of the analyticity set for a class of integral equations
09:45–10:30	**Lessard, Jean-Philippe:** Recent developments of computer-assisted proofs in infinite dimensional dynamical systems

Coffee break

Plenary section   **Chair: Christian Pötzsche**

10:50–11:35	**Fiedler, Bernold:** Infinitely many stable *and* rapid Duffing oscillations, by delay

Invited section A   **Chair: John Mallet-Paret**

11:40–12:10	**Nakata, Yukihiko:** Period two solutions of distributed delay differential equations
12:10–12:40	**Vas, Gabriella:** Large-amplitude periodic solutions for delay equations

Invited section B   **Chair: Carmen Núñez**

11:40–12:10	**Caraballo, Tomás:** Dynamics of impulsive fractional stochastic evolution equations with unbounded delay
12:10–12:40	**Mugnai, Dimitri:** Neumann fractional p-Laplacian: eigenvalues and problems with source

Afternoon

Invited section A   **Chair: Eduardo Liz**

14:30–15:00	**Appleby, John:** Hartman–Wintner theorems for nonlinear differential systems
15:00–15:30	**Reynolds, David:** Asymptotic constancy of solutions of linear Volterra and other functional differential equations
15:30–16:00	**Matsunaga, Hideaki:** Asymptotic behavior of solutions of linear integral equations with two delays

Invited section B   **Chair: Mihály Kovács**

14:30–15:00	**Faragó, István:** Reliable mathematical modeling of extended malaria model
15:00–15:30	**Lóczi, Lajos:** Some stability properties of Runge–Kutta and multistep methods for ODEs
15:30–16:00	**Breda, Dimitri:** Stability of periodic orbits of renewal equations

Wednesday (June 19)

Morning

Plenary section   **Chair: Sjoerd Verduyn Lunel**

09:00–09:45	**Zou, Xingfu:** Effect of impulsive controls in a model system for age-structured population over a patchy environment
09:45–10:30	**Gyllenberg, Mats:** On models of physiologically structured populations and their reduction to ordinary differential equations

Plenary section	**Chair: Bernold Fiedler**

10:50–11:35	**Hofbauer, Josef:** Dynamics of mass action systems

Invited section A	**Chair: Mats Gyllenberg**

11:40–12:10	**Humphries, Tony:** Dynamics and bifurcations of DDE cell-cycle models
12:10–12:40	**Röst, Gergely:** Global dynamics of a new delay logistic equation arisen in cell biology

Invited section B	**Chair: Tomás Caraballo**

11:40–12:10	**Kovács, Mihály:** On a randomized backward Euler method for nonlinear evolution equations with time-irregular coefficients
12:10–12:40	**Pap, Gyula:** Asymptotic behavior of supercritical multi-type CBI processes

Afternoon

Invited section A	**Chair: John Appleby**

14:30–15:00	**Boros, Balázs:** Dynamics of planar S-systems
15:00–15:30	**Dénes, Attila:** Global dynamics of an SIS model with multiple strains, superinfection and patch structure
15:30–16:00	**Karsai, János:** Modelling the spread of varicella in Hungary

Invited section B	**Chair: Josef Diblík**

14:30–15:00	**Mesquita, Jaqueline:** Generalized ODEs and measure FDEs with infinite time-dependent delays
15:00–15:30	**Federson, Marcia:** New directions of generalized ODEs
15:30–16:00	**Pituk, Mihály:** Semistability of complex balanced kinetic systems with time delays

Coffee break

Contributed section A	**Chair: Mihály Pituk**

16:20–16:40	**López Nieto, Alejandro:** Characterization of periodic solutions for scalar delay equations with monotone feedback and even-odd symmetry
16:40–17:00	**de Wolff, Babette:** Pseudospectral approximation for bifurcation problems in delay equations
17:00–17:20	**Schneider, Isabelle:** Equivariant Pyragas control: theoretical mechanism versus experimental verification
17:20–17:40	**Garab, Ábel:** Absence of superexponential solutions for a cyclic system of delay differential equations

Contributed section B   Chair: Gabriella Bognár

16:20–16:40	**Onitsuka, Masakazu:** Hyers–Ulam stability for first-order linear differential equations with periodic coefficient
16:40–17:00	**Juránek, Jakub:** Non-oscillation criteria for half-linear difference and differential equations with asymptotically periodic coefficients
17:00–17:20	**Bánhelyi, Balázs:** On the existence and stabilization of an upper unstable limit cycle of the damped forced pendulum
17:20–17:40	**Csizmadia, László:** Periodicity, stability and instability in elementary way

Contributed section C   Chair: Seshadev Padhi

16:20–16:40	**Baštinec, Jaromír:** Positive solutions of a class of linear discrete equations with delays
16:40–17:00	**Buedo-Fernández, Sebastián:** Global attraction in systems of DDEs via the study of difference equations
17:00–17:20	**Lois-Prados, Cristina:** Global dynamics of Lasota's discrete-time model for blood cell production
17:20–17:40	**Pátíková, Zuzana:** Conditionally oscillatory half-linear differential equations and Hille–Nehari type criteria

Thursday (June 20)

Morning

Plenary section   Chair: Josef Hofbauer

09:00–09:45	**Verduyn Lunel, Sjoerd:** Delay equations and twin semigroups
09:45–10:30	**Wolfrum, Matthias:** Temporal dissipative solitons in systems with time delay

Coffee break

Invited section A   Chair: László Simon

10:50–11:20	**Garay, Barnabás M.:** On the dynamics of a Chua–Yang ring network in 8D
11:20–11:50	**Răsvan, Vladimir:** Stability and stabilization of a model occurring in hydraulics
11:50–12:20	**Simon Hilscher, Roman:** Sturmian separation theorems on unbounded intervals

Invited section B   **Chair: Tony Humphries**

10:50–11:20	**Getto, Philipp:** A system of differential equations with state-dependent delay from cell biology – differentiability, linearized stability and research in progress
11:20–11:50	**Hartung, Ferenc:** On the quasilinearization method for a parameter estimation problem in neutral functional differential equations with state-dependent delays
11:50–12:20	**Nishiguchi, Junya:** C^1-smooth dependence with respect to history in Sobolev space $W^{1,1}$ and constant delay: beyond Lipschitz continuous histories

Afternoon

Contributed section A   **Chair: Vladimir Răsvan**

14:30–14:50	**Reinfelds, Andrejs:** Decoupling of quasilinear systems on time scales
14:50–15:10	**Čermák, Jan:** Delay-dependent stability switches in fractional differential equations
15:10–15:30	**Tóth, János:** On the form of kinetic differential equations
15:30–15:50	**Bognár, Gabriella:** Instabilities in MBE growth equation

Contributed section B   **Chair: Péter Simon**

14:30–14:50	**Švígler, Vladimír:** Counting and ordering periodic stationary solutions of lattice Nagumo equations
14:50–15:10	**Stehlík, Petr:** Multichromatic travelling waves for lattice Nagumo reaction diffusion equation
15:10–15:30	**Spek, Len:** Non-linear and spectral analysis of neural field models with transmission delays and diffusion
15:30–15:50	**Neogrády-Kiss, Márton:** Dynamics of recurrent neural networks with piece-wise constant activation functions

Contributed section C   **Chair: Dimitri Mugnai**

14:30–14:50	**Fujimoto, Kodai:** Asymptotic problems for nonlinear ordinary differential equations with φ-Laplacian
14:50–15:10	**Simon, László:** On qualitative behavior of multiple solutions of quasilinear parabolic functional equations
15:10–15:30	**Hegedűs, Jenő:** A sharpening of the Duhamel's principle for the forced vibration of an infinite string
15:30–15:50	**Cernea, Aurelian:** On the mild solutions of a second-order integro-differential inclusion

Coffee break

Contributed section A   **Chair: Matthias Wolfrum**

16:20–16:40	**Budzinskiy, Stanislav:** Spirals in a delayed reaction-diffusion equation: from a thin annulus to a circle and back again
16:40–17:00	**György, Szilvia & Kovács, Sándor:** Qualitative properties of a class of retarded dynamical systems
17:00–17:20	**Lelkes, János:** Bifurcation analysis of a harmonically forced delay equation
17:20–17:40	**Zsiros, Ádám:** Tuning the parameters of a mechanistic chain oscillator model to match the Kolmogorov spectrum of turbulence

Contributed section B   **Chair: István Faragó**

16:20–16:40	**Andò, Alessia:** Convergence analysis of collocation methods for the computation of periodic solutions of delay systems
16:40–17:00	**Mincsovics, Miklós Emil:** How to teach one step and linear multistep methods
17:00–17:20	**Ladics, Tamás:** Waveform relaxation method for nonlinear problems
17:20–17:40	**Pereira, Aldo:** Global bifurcation for nonlinear dynamic equations on time scales

Contributed section C   **Chair: Philipp Getto**

16:20–16:40	**Tekeli, Tamás:** Stability and oscillations in multistage SIS models depend on the number of stages
16:40–17:00	**Muqbel, Khalil:** Optimal temporary non-pharmaceutical intervention strategies for epidemic outbreaks
17:00–17:20	**Das, Bornali:** Two biological applications of a simple linear chain
17:20–17:40	**Ibrahim, Mahmoud:** Threshold dynamics in a model for Zika virus disease with seasonality

Friday (June 21)

Morning

Plenary section   **Chair: Gergely Röst**

09:00–09:45	**Faria, Teresa:** Periodic solutions for differential equations with infinite delay and nonlinear impulses
09:45–10:30	**Liz, Eduardo:** How harvesting affects population stability: insights from discrete-time models

Coffee break

Invited section A   **Chair: Jacques Bélair**

10:50–11:20	**Csendes, Tibor:** On the computer aided part of the proof for the Wright conjecture on a delay differential equation
11:20–11:50	**Jaquette, Jonathan:** A computer assisted proof of Jones' conjecture: counting and discounting slowly oscillating periodic solutions to Wright's equation
11:50–12:20	**Atay, Fatihcan:** Consensus problems in coupled delay differential equations on directed networks

Invited section B   **Chair: Jan Čermák**

10:50–11:20	**Diblík, Josef:** Exponential stability tests for linear delayed differential systems depending on all delays
11:20–11:50	**Padhi, Seshadev:** On positive solutions of boundary value problems with Riemann–Stieltjes integrals