PROGRAMME OUTLINE – ALGORITMY 2009

Sunday, March 15th:

14.00 - 19.00 conference bus Bratislava => Podbanské
18.00 - 21.00 Dinner
18.00 - 21.00 Registration of participants

Monday, March 16th:

7.30 - 8.55 Breakfast
8.55 - 9.00 Opening of the conference

Morning session I (Congress hall, 8th floor)

9.00 - 9.50 J.W. Barrett: Parametric Approximation of Geometric Evolution Equations

9.50 - 10.40 N. Peyrieras: Phenomenological and Computational Reconstruction of Animal Embryogenesis from in vivo 4D Imaging

10.40 - 11.10 Coffee break

Morning session II (Congress hall, 8th floor)

11.10 - 12.00 H. Pottmann: Geometric Computing for Architecture

12.00 - 14.00   Lunch

14.00 - 16.00 Invited parallel sessions I
M. Breuss - Shape from Shading in Computer Vision (Congress hall, 8th floor)
M. Slodička - Numerical Methods for Electromagnetic Fields (Blue hall, 7th floor)
F. Rieper - Numerics for Weakly-Compressible Flows: Challenges and Recent Advances (Conference room, 11th floor)

16.00 - 16.30 Coffee break

16.30 - 19.00 Invitted parallel sessions II
M. Fried - Adaptive Finite Element Methods in Emerging Applications (Congress hall, 8th floor)
L. Tobiska - Stabilized FEM for Convection-Diffusion and Flow Problems (Blue hall, 7th floor)
I. Melicherčík - Mathematical and Computational Modelling in Finance (Conference room, 11th floor)

19.00 - 20.45 Dinner
21.00 – 24.00 Poster session with snacks and beer (Congress hall, 8th floor)

Tuesday, March 17th:

7.30 - 9.00 Breakfast

Morning session III (Congress hall, 8th floor)

9.00 – 9.50 D. Cremers: Continuous and Discrete Optimization in Computer Vision

9.50 - 10.40 G. Pflug: DC (Difference of Convex) Algorithms in Computational Finance

10.40 - 11.10 Coffee break

11.10 - 12.10 Contributed parallel sessions I
2x3 contributed talks (Congress hall, 8th floor and Blue Hall, 7th floor)

12.10 - 14.00 Lunch

14.00 - 16.00 Invited parallel sessions III
M. Feistauer - Discontinuous Galerkin Finite Element Method and Computational Fluid Dynamics (Congress hall, 8th floor)
J. Fuhrmann - Numerical Modeling in Electrochemistry (Blue hall, 7th floor)
M. Vajteršic - Fast Computation of Singular Value Decomposition with Applications (Conference room, 11th floor)

16.00 - 16.30 Coffee break

16.30 - 19.10 Contributed parallel sessions II
8x3 contributed talks (Congress hall, Blue Hall & Conference Room)

19.10 – 21.00 Dinner

Wednesday, March 18th:

7.30 - 8.30 (10.00) Breakfast

On Wednesday there are three options:

1. Skiing in ski-center Jasna
2. Winter (light) hiking tour in High Tatra Mountains
3. Staying in the hotel Permon

Detailed schedule for option 1:

8.30 – departure of the conference bus Podbanske => Jasna – Zahradky
9.15 – 16.30 – Skiing
16.45 – departure of the conference bus Jasna – Zahradky => Podbanske

Detailed schedule for option 2:

10.15 - departure of the conference bus Podbanske => Stary Smokovec
11.00 (or 11.30) – funicular railway Stary Smokovec => Hrebienok
11.30 – 14.45 – hiking tour from Hrebienok to Zamkovskeho chata
15.00 – funicular railway Hrebienok => Stary Smokovec
15.15 – departure of the conference bus Stary Smokovec => Podbanske

For options 1 & 2 there is lunch in a packet which participants take when leaving breakfast.

For participants staying in the hotel Permon the lunch is served in restaurant at 13.00.

18.00 - 21.00 Dinner

Thursday, March 19th:

7.30 - 9.00 Breakfast

9.00 - 11.00 Invited parallel sessions IV
F. Hubert - Finite Volume Methods (Congress hall, 8th floor)
J. Mikyška - Computational Modelling in Porous Media Flow (Blue hall, 7th floor)
Z. Strakoš - Krylov Subspace Methods - Theory and Applications (Conference room, 11th floor)

11.00 - 11.30 Coffee break

11.30 - 12.30 Contributed parallel sessions III
2x3 contributed talks (Congress hall, Blue Hall)

12.30 - 14.30 Lunch

14.30 - 16.00 Invited parallel sessions V
A. Voigt - Software Concepts and Parallel Algorithms for Finite Elements (Congress hall, 8th floor)
M. Lukáčová - Recent Advances in Numerics of Hyperbolic Conservation Laws and Related Problems (Blue hall, 7th floor)
M. Gander, O. Ernst - Iterative Methods for Helmholtz Problems (Conference room, 11th floor)

16.00 - 16.30 Coffee break

16.30 - 18.30 Contributed parallel sessions IV
6x3 contributed talks (Congress hall, Blue Hall & Conference Room)

19.00 - 01.00 Conference dinner (Hala Grande)

Friday, March 20st:

7.30 - 9.00 Breakfast

Morning session IV (Congress hall, 8th floor)

9.00 – 9.50 V. Dolejší: On the Solution of Linear Algebraic Systems Arising from the Semi-Implicit DGFE Discretization of the Compressible Navier-Stokes Equations

9.50 – 10.20 Coffee break

Morning session V (Congress hall, 8th floor)

10.20 – 11.10 D. Kressner: Krylov Subspace Methods for Matrix Equations and Beyond

11.10 – 12.00 A. Wathen: Preconditioning for PDE-Constrained Optimization

12.00 – 13.15 Lunch

13.15 – 14.00 Shuttle bus to Liptovský Mikuláš train station (train R608 Spišan)

15.00 – 20.00 Conference bus Podbanské => Bratislava