Program

August 25th (Room 204)

9:10—9:45 Shi Zhong-ci, Studies On Wilson Nonconforming Finite Element

9:45—10:20 Youngmok Jeon, A locally conservative multiscale method for elliptic problems with oscillating coefficients

...coffee break...

10:30—11:05 Nobito Yamamoto, Numerical verification of closed orbits in dynamical systems

11:05—11:40 Seungil Kim, Complete radiation boundary conditions for of the convected Helmholtz equation with a uniform mean flow in a waveguide

11:40—11:50 Hisashi Okamoto, Chien-Hong Cho, (Title: To be announced)

11:50—12:00 Ceremony

...lunch...

13:30—14:05 Takashi Sakajo, Point vortex dynamics in multiply connected domains—theory and applications

14:05—14:40 Hiroshi Suito, Vortical flow related to aortic aneurysms

14:40—15:15 Jeongwhan Choi, Subcritical surface waves over an obstruction

...coffee break...

Short communications

15:45—16:00 Takehiko Kinoshita, A numerical verification method of solutions for initial value problems of nonlinear ODEs

16:00—16:15 Tomoyuki Miyaji, A Taylor model method for verified numerical computation of Poincare map

16:15—16:30 Takahito Kashiwabara, Finite element approximation for Stokes equations under slip or leak boundary conditions of friction type

...coffee break...
16:45—17:00  Guanyu Zhou,  The fictitious domain method with penalty for parabolic problems

17:00—17:15  Xuefeng Liu,  On the high precision eigenvalue evaluation of differential operator and its application

17:15—17:30  Norikazu Saito,  Discrete extinction phenomenon in fast diffusion equations

Reception at Hotel Piazza 18:30—20:30

August 26\textsuperscript{th} (Room 207)

9:10—9:45  Hiroshi Kanayama,  Tsunami computation using the viscous shallow-water equations

9:45—10:20  HongXing Rui,  Numerical methods for some coupled flow model in porous media

\textit{---coffee break---}

10:30—11:05  Chungjae Park,  Divergence-free P\textsubscript{1}-nonconforming space on square grids

11:05—11:40  Kwang-Yeon Kim,  Flux reconstruction for low-order nonconforming finite element methods

11:40—12:00  Dongwoo Sheen,  New aspects on quadrilateral nonconforming elements

\textit{---lunch---}

13:30—14:05  Zhong-Zhi Bai,  Nearly optimal block preconditioners for saddle point linear systems

14:05—14:40  Bing Zheng,  Congruence solutions of some matrix equations

14:40—15:15  Tomohiro Sogabe,  Numerical methods for generalized shifted linear systems with complex symmetric matrices

\textit{---coffee break---}
Short communications

15:45—16:00  Dongjin Lee,  On intermediate eigenvalue problems in computational materials science

16:00—16:15  Takafumi Miyata,  Jacobi-Davidson type methods using an invariance of Krylov subspaces for eigenvalue problems

16:15—16:30  Yu-Mei Huang,  On decomposition-based block preconditioned iterative methods for half-quadratic image restoration

***coffee break***

16:45—17:00  Zhi-Ru Ren,  On preconditioned iterative methods for Sinc systems of linear third-order ODEs

17:00—17:15  Li Wang,  On convergence of MSOR-Newton method for nonsmooth equations

17:15—17:30  Li Deng,

August 27th (Room 207)

9:10—9:45  Jin Cheng,  Regularization and Inverse Problems for PDE

9:45—10:20  June-Yub Lee,  A direct integral equation method for quasi-periodic scattering problems with multiple material interfaces

***coffee break***

10:30—11:05  Karel Svadlenka,  A numerical scheme for constrained motion of multiple interfaces

11:05—11:40  Zhi-jian Yang,  Multi-scale modeling and simulation of crystalline solids

11:40—12:00  Craig Douglas,  Isogeometric multigrid methods and their practicality

***lunch***

13:30—14:05  Takayasu Matsuo,  Stabilizing linearly-implicit schemes for dissipative equations

14:05—14:40  Do Wan Kim,  Impinging wall jet with the symmetric nozzle of arbitrary shape
14:40—15:15 Jin-ru Chen, A BDDC algorithm for the mortar-type rotated Q1 FEM for elliptic problems with discontinuous coefficients

August 28th

Excursion, Hieizan, Hikone, or Biwako Cruise