Japan-Korea CFD workshop 2019 Program

Nov. 26th (Tue), 2019

15:00-17:10 1st session Co-Chair by Chongam Kim, Nobuyuki Oshima Opening Remark

Nobuyuki Oshima, (Hokkaido University)

Decomposition of flow and sound fields by using wavenumber frequency analysis

*Akiyoshi Iida (Toyohashi Univ. of Technology), Chisachi Kato (Univ. of Tokyo)

Direct Reconstruction Method for Discontinuous Galerkin Approximation on Higher-order Mixed-Curved Meshes *Chongam Kim and H.You (Seoul National University)

Large Eddy Simulation of Flow and Heat Transfer of Gas Turbine Blade

* Joon Ahn, (Kookmin University)

Numerical investigation of flow control using coaxial type dielectric barrier discharge plasma actuator: induced jet, circular disk flow, and flow morphing

*Hikaru Aono, Shinji Honami, Hitoshi Ishikawa (Tokyo University of Science)

18:00- welcome dinner

Nov. 27th (Wed), 2019

9:10-10:40 2nd session Co-Chair by Chongam Kim, Nobuyuki Oshima

Adaptation measures for extreme floods using huge ensemble of high-resolution climate model simulation in Japan

*Tomohito Yamada and T.Hoshino (Hokkaido University)

A Godunov method using Baer-Nunziato equations for compressible two-phase flows

*Bokjik Lee (Seoul National University)

Toward high-fidelity large-eddy simulation of liquid rocket combustors using flux-reconstruction method

*Takanori Haga, Taro Shimizu (Japan Aerospace Exploration Agency (JAXA))

Break time

10:50-12:00 3rd session Co-Chair by Chongam Kim, Nobuyuki Oshima

Computation of PANS and RANS Models for Flows around a Marine Propeller

* Woochan Seok (Seoul National University), Sangbong Lee (Dong-A University) and <u>Shin Hyung Rhee</u> (Seoul National University)

Numerical simulation of vapor bubble collapse with a small amount of non-condensable gas based on molecular gas dynamics

*Kazumichi Kobayashi (Hokkaido University)

Closing Remark

Chongam Kim, (Seoul National University)

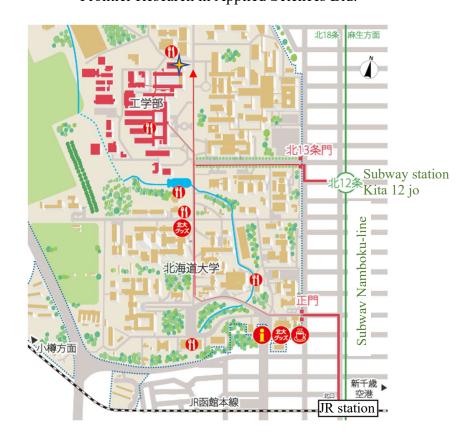
12:30- luncheon meeting

All workshop participants are invited to a domestic symposium ($27^{th} \sim 29^{th}$) and its joint banquet in the evening on 28^{th} (Thu).



Access information

Workshop place: Hokkaido university Sapporo campus Frontier Research in Applied Sciences Bld.



Official instruction by Hokkaido univ.

https://www.global.hokudai.ac.jp/about/access-maps/sapporo-campus-map/