2nd Annual SU2 Developers Meeting

December 18th, 2017

Stanford University, Durand Building, Room 450

Stanford, California, 94305, USA

SU2

The Open-Source CFD Code

Meeting Agenda

0800 – 0825: Welcome & Year in Review, *J. Alonso, Stanford, T. Economon, Bosch, F. Palacios, Boeing*

0825 – 0850: Upgrades for Parallel Performance and Low Speed Flows with Heat Transfer
T. Economon, Bosch

0850 – 0915: Implementation and Assessment of High-Order Methods in the Framework of SU2
K. Singh, D. Drikakis, I. Kokkinakis, M. Frank, University of Strathclyde
A BGK-Kinetic Formulation Including Vibrational and Electronic Energy Modes
A. Mogavero, J. Herrera-Montojo, M. Fossati, University of Strathclyde

0915 – 0940: Current Developments and Applications Related to the Discrete Adjoint Solver in SU2
T. Albring, N. Gauger, et al., TU Kaiserslautern

0940 – 1005: Coffee Break

1005 – 1030: An Overview of DDES in SU2: Implementation and Recent Results
E. Molina, R. G. A. da Silva, Aeronautical Institute of Technology (ITA-Brazil)

1030 – 1055: Recent Advances in Flow Analysis Capability and Adjoint-based Design for Turbomachinery with SU2
M. Pini, S. Vitale, A. Rubino, L. Azzini, N. Anand, P. Colonna, TU Delft

1055 – 1120: Uncertainty Estimation of Turbulence Model Predictions in SU2
J. Mukhopadhaya, A. Mishra, G. Iaccarino, J. Alonso, Stanford

1120 – 1145: Coffee Break

1145 – 1210: SU2: A Reliable Computational Framework for Non-Ideal Compressible-Fluid Dynamics Applications
G. Gori, Politecnico di Milano, P. M. Congedo, Inria - Bordeaux Sud-Ouest, A. Guardone, Politecnico di Milano

1210 – 1235: Coupled Adjoint-based Sensitivities Using the SU2 Native FSI Solver
R. Sánchez, C. Venkatesan-Crome, R. Palacios, Imperial College

1235 – 1300: Development of a Nodal DG Solver within the SU2 Framework
E. van der Weide, University of Twente, J. Choi, Stanford, D. Mudigere, Intel Labs, P. Urbanczyk, J. Alonso, Stanford

In order to participate (in-person or virtually), please register for the meeting by following the link on the SU2 home page (https://su2code.github.io).
Thanks for your interest and note that all stated times are Pacific Standard Time (PST).

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