

Prof. MEHMET CEVDET ÇELENLİGİL

Personal Information

Email: celenlig@metu.edu.tr

Education Information

Doctorate, Princeton University, Mechanical And Aerospace Engineering Department, United States Of America 1978 - 1982

Under Graduate, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, Turkey 1970 - 1976

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Numerical Solution of Incompressible Planar Turbulent Separated Flows, Princeton University, Mechanical And Aerospace Engineering Department, 1982

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1998 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1991 - 1998

Associate Professor, Massachusetts Institute Of Technology, Mühendislik Fakültesi, Materials Science And Engineering, 1996 - 1997

Associate Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1990 - 1991

Assistant Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1990 - 1990

Research Assistant, Imperial College Of Science, Technology And Medicine, Mühendislik Fakültesi, Aeronautics, 1983 - 1986

Research Assistant, Princeton University, Mühendislik Fakültesi, Mechanical And Aerospace Engineering, 1976 - 1981

Professional Experience

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1995 - 1996

Advising Theses

ÇELENLİGİL M. C. , Numerical simulation of two-dimensional collisionless plasma flows under the effect of electrostatic

forces via particle in cell method, Post Graduate, Ö.TÜMÜKLÜ(Student), 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **A Monte Carlo-based Poisson's equation solver parallelized with Coarray Fortran**
ŞENGİL N., Tumuklu O., ÇELENLİGİL M. C.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, pp.4545-4553, 2016
(Journal Indexed in SCI)
- **Implementation of a Monte Carlo method to a two-dimensional particle-in-cell solver using algebraic meshes**
ŞENGİL N., Tumuklu O., Celenligil M. C.
NUKLEONIKA, vol.57, pp.313-316, 2012 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Heat Transfer Simulation of Rarefied Laminar Flow past a Circular Cylinder**
ÇELENLİGİL M. C.
30th International Symposium on Rarefied Gas Dynamics (RGD), Victoria, Canada, 10 - 15 July 2016, vol.1786
- **Numerical Simulation of Rarefied Laminar Flow past a Circular Cylinder**
Celenligil M. C.
29th International Symposium on Rarefied Gas Dynamics (RGD), Xian, China, 13 - 18 July 2014, vol.1628, pp.220-227
- **On the Outflow Boundary Conditions for Subsonic Rarefied External Flows**
Celenligil M. C.
28th International Symposium on Rarefied Gas Dynamics (RGD), Zaragoza, Spain, 9 - 13 July 2012, vol.1501, pp.549-556
- **Rarefaction Effects on the Outflow Boundary Conditions for External Subsonic Flows**
Celenligil M. C.
26th International Symposium on Rarefied Gas Dynamics (RGD26), Kyoto, Japan, 20 June - 25 July 2008, vol.1084, pp.317-322
- **DSMC Simulations of low-density choked flows in parallel-plate channels**
Ilgaz M., Celenligil M.
23rd International Symposium on Rarefied Gas Dynamics, WHISTLER, Canada, 20 - 25 July 2002, vol.663, pp.831-838
- **RAREFIED FLOW SIMULATIONS ABOUT A BLUNT-ENDED CYLINDER AT INCIDENCE**
CELENLIGIL M.
18th International Symposium on Rarefied Gas Dynamics, Vancouver, Canada, 26 - 30 July 1992, vol.160, pp.323-330

Citations

Total Citations (WOS):21

h-index (WOS):2