



**Asst. Prof. Dr. Gökhan
AHMET**

Dept. of Aerospace
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Expertise areas:

- Wind Assessment
- Micro-siting of Wind Turbines
- Atmospheric/Terrain Modelling

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Recent Projects:

NEWA - New European Wind Atlas Joint Programme- “Orta (Meso) ölçekli bir hava tahmini yazılımıyla akuple edilmiş mikro ölçekli atmosferik akışın modellenmesi”, Grant No: 215M385, Funding Agency: ERA-NET PLUS - EUROPEAN COMMISSION under the 7th Framework Programme. (Research Partner of TUBITAK)

“Development of a Navier-Stokes Flow Solver on Topographic Unstructured Grids for Micro Site Selection of Wind Turbines”, Grant No: 112M104, Funding Agency: TUBITAK.

“Application and Development of Data Assimilation Models in Parallel Computing Environments for MM5 Program Used in Meteorological Forecasting”, Grant No: 107Y105, Funding Agency: TUBITAK.

Recent Publications:

- A Comparative Study of virtual and operational met mast data, Journal of Physics: Conference Series, 524, 6 / 2014, DOI: 10.1088/1742-6596/524/1/012120
- Micro Scale Atmospheric Flow Solutions Coupled with a Mesoscale Weather Prediction Model, 5 / 2015, 27th International Conference on Parallel Computational Fluid Dynamics, Montreal, Quebec, Canada
- CFD coupled with WRF for Wind Power Prediction, 10 / 2014, EAWE 10th PhD Seminar on Wind Energy in Europe, Orleans, France
- Unsteady Atmospheric Turbulent Flow Solutions Coupled With A Mesoscale Weather Prediction Model, 10 / 2013, RUZGEM'2013 Conference on Wind Energy Science and Technology, Ankara, Turkey
- Terrain Fitted Turbulent Flow Solutions Coupled with a Mesoscale Weather Prediction Model, 9 / 2013, EAWE 9th PhD Seminar on Wind Energy in Europe, Visby, Sweden
- Atmospheric turbulent flow solutions coupled with a Mesoscale weather prediction model, 6 / 2013, South-East European Conference on Computational Mechanics, SEECM'2013 (Special Interest Conferences of the ECCOMAS and IACM), Kos, Greece
- Atmospheric Turbulent Flow Solutions Coupled with a Mesoscale Weather Prediction Model, 10 / 2012, EAWE 4th Scientific Conference; The Science of Making Torque from Wind, Oldenburg, Germany