

## Res. Asst. PhD PELİN ÇİLOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: O-3254-2018

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### Education Information

Doctorate, Middle East Technical University, Institute of Applied Mathematics, Scientific Computing, Turkey 2017 - 2023  
Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 2011 - 2015

### Dissertations

Doctorate, Stochastic discontinuous Galerkin methods for PDE-based models with random coefficients, Middle East Technical University, Institute of Applied Mathematics, Scientific Computing, 2023

### Research Areas

Mathematics, Differential Equations, Linear and Multilinear Algebra: Matrix Theory, Numerical Analysis, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Institute of Applied Mathematics, Scientific Computing, 2018 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Stochastic discontinuous Galerkin methods for robust deterministic control of convection-diffusion equations with uncertain coefficients**  
Çiloğlu P., Yücel H.  
ADVANCES IN COMPUTATIONAL MATHEMATICS, vol.49, pp.16, 2023 (SCI-Expanded)
- II. **Stochastic discontinuous Galerkin methods with low-rank solvers for convection diffusion equations**  
ÇİLOĞLU P., YÜCEL H.  
Applied Numerical Mathematics, vol.172, pp.157-185, 2022 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Stochastic Discontinuous Galerkin Methods for Robust Deterministic Control of Convection Diffusion Equations with Uncertain Coefficients,**  
Çiloğlu P., Yücel H.  
SIAM Conference on Uncertainty Quantification (UQ22), Georgia, United States Of America, 12 - 15 April 2022, pp.1
- II. **Solving Optimal Control Problems Containing Uncertain Coefficients with Stochastic Discontinuous Galerkin Methods**  
Çiloğlu P., Yücel H.  
17th Copper Mountain Conference on Iterative Methods, Colorado, United States Of America, 4 - 08 April 2022, pp.1
- III. **Stochastic Discontinuous Galerkin Methods for Robust Deterministic Optimal Control**  
Çiloğlu P., Yücel H.  
The SFB Spring School 2022, Potsdam, Germany, 21 - 25 March 2022, pp.1
- IV. **Stochastic Discontinuous Galerkin Methods with Low-Rank Solvers for Convection Diffusion Equations**  
Çiloğlu P., Yücel H.  
Stochastic Discontinuous Galerkin Methods with Low-Rank Solvers for Convection Diffusion Equations, Chemnitz, Germany, 6 - 08 September 2021, pp.1
- V. **Discontinuous Galerkin Methods for Convection Diffusion Equations with Random Coefficients**  
Çiloğlu P., Yücel H.  
BEYOND 2019: Computational Science and Engineering Conference, Ankara, Turkey, 9 - 11 September 2019
- VI. **Discontinuous Galerkin Methods for Unsteady Convection Diffusion Equation with Random Coefficients**  
Çiloğlu P., Yücel H.  
BEYOND: Workshop on Computational Science and Engineering, Ankara, Turkey, 20 - 21 October 2018
- VII. **Unsteady Convection Diffusion Equation with Random Input Data**  
Çiloğlu P., Yücel H.  
Chemnitz FE Symposium 2018, Chemnitz, Germany, 24 - 26 September 2018

## Supported Projects

YÜCEL H., ÇİLOĞLU P., ÜRETEN M. A., ÇİLOĞLU P., Project Supported by Higher Education Institutions, Rastgele Girdi Verili Korteweg-de Vries (KdV) için Sayısal Çözüm Yöntemleri, 2018 - 2019

## Metrics

Publication: 9

Citation (WoS): 1

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1