

# Prof. IŞIK HAKAN TARMAN

## Personal Information

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## Education Information

Doctorate, Brown University, Uygulamalı Matematik, United States Of America 1984 - 1988

Post Graduate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Y) (Tezli), Turkey 1982 - 1984

Undergraduate Double Major, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1977 - 1982

## Foreign Languages

English, C1 Advanced

## Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2002 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 1999 - 2002

## Professional Experience

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyomedikal Mühendisliği (Y) (Tezli), 2015 - Continues

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyomedikal Mühendisliği (Y) (Tezli), 2015 - 2017

## Advising Theses

TARMAN I. H. , GÜRSES S., Statistical analysis of force distribution on the plantar foot during quiet stance, Doctorate, O.ALKAN(Student), 2015

TARMAN I. H. , DURSUNKAYA Z., Multi-dimensional modelling of evaporation in the micro region of a micro grooved heat pipe, Doctorate, Y.AKKUŞ(Student), 2015

TARMAN I. H. , Two dimensional modeling of electromagnetic radiation and scattering by spectral element method, Doctorate, I.MAHARIQ(Student), 2014

TARMAN I. H. , Numerical modeling of general compressible multi-phase flows, Doctorate, B.KALPAKLI(Student), 2013

TARMAN I. H. , Application of fully implicit coupled method for 2D incompressible flows on unstructured grids, Post Graduate, Ş.ZENGİN(Student), 2012

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

- **Photonic Nanojet Analysis by Spectral Element Method**

Mahariq I., KUZUOĞLU M., TARMAN I. H. , KURT H.

IEEE PHOTONICS JOURNAL, vol.6, 2014 (Journal Indexed in SCI)

- **On the Attenuation of the Perfectly Matched Layer in Electromagnetic Scattering Problems with the**

### **Spectral Element Method**

Mahariq I., KUZUOĞLU M., TARMAN I. H.

APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.29, pp.701-710, 2014 (Journal Indexed in SCI)

- **Direct numerical simulation of pipe flow using a solenoidal spectral method**

Tugluk O., TARMAN I. H.

ACTA MECHANICA, vol.223, pp.923-935, 2012 (Journal Indexed in SCI)

- **Efficient Numerical Algorithm for Cascaded Raman Fiber Lasers Using a Spectral Method**

TARMAN I. H. , Berberoglu H.

JOURNAL OF LIGHTWAVE TECHNOLOGY, vol.27, pp.2289-2295, 2009 (Journal Indexed in SCI)

- **A spectral collocation algorithm for two-point boundary value problem in fiber Raman amplifier equations**

TARMAN I. H. , Berberoglu H.

OPTICS COMMUNICATIONS, vol.282, pp.1551-1556, 2009 (Journal Indexed in SCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- **A spectral Petrov-Galerkin method for thermal convection between rigid plates**

YILDIRIM YÜCEL C., TARMAN I. H.

6th International Symposium on Turbulence, Heat and Mass Transfer, Rome, Italy, 14 - 18 September 2009, pp.213-216

### **Citations**

Total Citations (WOS):35

h-index (WOS):3