



## **MURAT SARI**

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### **EDUCATION**

- 2000: Ph.D. University of South Wales, UK  
Ph.D. Thesis and Supervisor: Seismic Wave Modelling Using the Boundary Element Method, Prof. Ron J. Wiltshire
- 1997: MPhil (transferred to Ph.D)- University of Glamorgan, UK
- 1991: B.Sc.- Ondokuzmayis University, TR

### **WORK EXPERIENCE**

- 1992-1993 : Mathematics Teacher in a State High School.
- 1993-2001 : Research Assistant- Pamukkale University, Department of Mathematics
- 1995-2000 : Part-time English-Turkish Interpreter
- 2001 Summer : Visiting Researcher- University of South Wales, Division of Mathematics and Statistics
- 2001-2001 : Research Assistant Doctor- Pamukkale University, Department of Mathematics
- 2001-2002 : Lecturer Dr.- Pamukkale University, Department of Mathematics
- 2002- 2012 : Assistant Prof. Dr.- Pamukkale University, Department of Mathematics
- 2012-2015 : Associate Prof. Dr.- Pamukkale University, Department of Mathematics
- 2015- --- : Associate Prof. Dr.- Yildiz Technical University, Department of Mathematics

#### **Administrative Duties and Academic Services:**

- 2003-2012 :Deputy Head of Department- Pamukkale University, Department of Mathematics
- 2004-2004 :Head of Division of Topology
- 2005-2013 :International Relations Departmental Coordinator- Pamukkale University, Department of Mathematics
- 2010-2015 :Science Ambassador of Pamukkale University to Peroleum-Gas University of Ploiesti, Romania.
- 2014-2015 :Deputy Coordinator of International Relations of Pamukkale University
- 2015- ---- :International Relations Departmental Coordinator- Yildiz Technical University

## ACADEMIC ACTIVITY

### Research Interests

- Computational Methods
- Numerical Methods
- Heuristic Methods
- Numerical Solutions of Differential Equations
- Modelling of Nonlinear Behaviours
- Mathematical Modelling
- Economical Modelling
- Biomechanical Modelling
- Seismic Wave Propagation

### Supervised M.Sc. Dissertations

- T. Koparan, Scalar Wave Modelling Using Numerical Methods, Pamukkale University, Denizli, 2005.
- S. Yildirim, Time Integrals in Boundary Element Method, Pamukkale University, Denizli, 2006.
- S. Salinan, Heat Conduction Modelling using the Differential Transform Method, Pamukkale University Denizli, 2008.
- A. Günay, Finite Difference Solutions of Fundamental Model Problems of Fluid Dynamics, Pamukkale University, Denizli, 2010.
- A. Zeytinoğlu, Some Approximate Solutions of Burgers Equations, Süleyman Demirel University, Isparta, 2010 (Co-supervisor).
- A. Agar, Analysis of Isokinetic Knee Strength of Professional Sportspeople, Zirve University, Gaziantep, 2014.
- E. Dinçer, Solution of Burgers Equation by Various Finite Difference Schemes, Pamukkale University, Denizli, 2015.
- M. Bayraktar, Solution of Burgers Equation by Petrov-Galerkin Finite Element Method, Pamukkale University, Denizli, (to be continued).
- T. Yildirim, Yildiz Technical University (to be continued)
- Natali H. Kazan, Zirve University (to be continued)

### Supervised Ph.D. Dissertations

- S. Salinan, Elastic Wave Modelling through Layered-Media Using the Boundary Element Method, Pamukkale University, Denizli, (to be continued).
- A. Zeytinoğlu, Hybrid Approaches for Computational Fluid Dynamics, Süleyman Demirel University, Isparta, Co-supervisor (to be continued).

### Publications

#### A) International Reviewed Papers

- 1) F. F. Altinoglu, M. Sari, A. Aydin, "Detection of Lineaments in Denizli Basin of Western Anatolia Region Using Bouguer Gravity Data", Pure and Applied Geophysics (SCI), 172(2015) 415-425, DOI: 10.1007/s00024-014-0911-y
- 2) M. Sari, M. Zaharia, A. Balacescu, "A comparative analysis of labour productivity from the perspective of employment: Romania vs. Turkey", ECO-TREND (to appear)
- 3) I. Dağ, D. Irk, M. Sari, "The extended cubic B-spline algorithm for a modified regularized long wave equation", Chinese Physics B (SCI), 22(4) (2013) 040207
- 4) M. Sari, A. Gunay, G. Gurarslan, "A solution to the telegraph equation by using DGJ method", International Journal of Nonlinear Science, 17(2014), 57-66

- 5) M. Adak, O. Sert, M. Kalay, M. Sari, "Symmetric Teleparallel Gravity: Some exact solutions and spinor couplings", International Journal of Modern Physics A (SCI), 28(32) (2013) 1350167 (16 pages).
- 6) G. Gürarlan, H. Karahan, D. Alkaya, M. Sari, and M. Yasar, "Numerical solution of advection-diffusion equation by using a sixth-order compact finite difference method", Mathematical Problems in Engineering (SCI), 7 pages, 2013.
- 7) M. Sari, E. Gulbandilar, A. Cimbiz, "Prediction of Low Back Pain with Two Expert Systems", Journal of Medical Systems (SCI), 36(2012) 1523-1527.
- 8) M.Sari, G.Gürarlan, A. Zeytinoglu, "High-order finite difference schemes for numerical solutions of the generalized Burgers–Huxley equation", Numerical Methods for Partial Differential Equations (SCI), 27(5) (2011) 1313-1326.
- 9) M.Sari, G.Gürarlan, "A sixth-order compact finite difference method for the one-dimensional sine-Gordon equation", Communications in Numerical Methods in Engineering (SCI), 27(2011) 1126-1138.
- 10) G.Gürarlan, M.Sari, "Numerical solutions of linear and nonlinear diffusion equations by a differential quadrature method (DQM)", International Journal for Numerical Methods in Biomedical Engineering (SCI), 27(2011) 69–77.
- 11) M.Sari, G.Gürarlan, A. Zeytinoglu, "High-order finite difference schemes for the solution of the generalized Burgers–Fisher equation", Communications in Numerical Methods in Engineering (SCI), 27(2011) 1296–1308.
- 12) M.Sari, G. Gürarlan, I.Dag, "A compact finite difference method for the solution of the generalized Burgers-Fisher equation", Numerical Methods for Partial Differential Equations (SCI), 25–134 pp., 2010.
- 13) A. Canıvar, M. Sari, I. Dag, "A Taylor–Galerkin finite element method for the KdV equation using cubic B-splines", Physica B (SCI), 3376–3383 pp., 2010
- 14) M. Tekkoyun, M. Sari, "Bi-para-mechanical systems on the bi-Lagrangian manifold", Physica B (SCI), 2390–2393 pp., 2010
- 15) M.Sari, G.Gürarlan, A. Zeytinoglu, "High-order finite difference schemes for solving the advection-diffusion equation", Mathematical and Computational Applications (SCI), 449-460 pp., 2010.
- 16) B.G.Cetiner, M. Sari, "Tibial motion assessment using artificial neural networks", Mathematical and Computational Applications (SCI), 34-44 pp., 2010
- 17) B.G.Cetiner, M. Sari, O.Borat, "A neural network based traffic-flow prediction model", Mathematical and Computational Applications (SCI), 269-278 pp., 2010
- 18) H.M.Aburas, B.G.Cetiner, M. Sari, "Dengue confirmed-cases prediction: A neural network model", Expert Systems with Applications (SCI), 4256–4260 pp., 2010
- 19) M.Sari, G.Gürarlan, "A sixth order compact finite difference scheme to the numerical solutions of Burgers' equation", Applied Mathematics and Computation (SCI), 475-483 pp., 2009
- 20) M.Sari, G.Gürarlan, "Numerical solutions of the generalized Burgers–Huxley equation by a differential quadrature method", Mathematical Problems in Engineering (SCI), 11 pages pp., 2009

- 21) U. Yücel, M.Sari, "Differential quadrature method (DQM) for a class of singular two-point boundary value problems", International Journal of Computer Mathematics (SCI), 465–475 pp., 2009.
- 22) M. Sari, "Solution of the porous media equation by a compact finite difference method", Mathematical Problems in Engineering (SCI), 13 pages, 2009.
- 23) M. Sari, B.G.Cetiner, "Predicting effect of physical factors on tibial motion using artificial neural networks", Expert Systems with Applications (SCI), 9743–9746 pp., 2009
- 24) E. Gulbandilar, A. Cimbiz, M. Sari, H. Ozden, "Relationship between skin resistance level and static balance in type II diabetic subjects", Diabetes Research and Clinical Practice (SCI), 335–339 pp., 2008.
- 25) M.Sari, "Relationship between physical factors and tibial motion in healthy subjects: 2D and 3D analysis", Advances in Therapy (SCI), 772-783 pp., 2007.
- 26) M. Sari, A. Sari, C. Popescu, Effects of imported goods on export and import of Turkey, Annals of the Constantin Brancuși University of Targu Jiu, Economy Series, Special Issue/2014- Information society and sustainable development.
- 27) A. Sari, M. Sari, C. Popescu, Effects of various economic factors on Turkish imports, Economic Insights–Trends and Challenges, Vol.III (LXVI), No. 1/2014 (2014) 1-9
- 28) M. Aydin, M. Sari, Relationship between GDP and export in Turkey, Annals of the Constantin Brancuși University of Targu Jiu, Economy Series, Special Issue/2014- Information society and sustainable development.
- 29) M. Sari, "Differential quadrature solutions of the generalized Burgers–Fisher equation with a strong stability preserving high-order time integration", Mathematical and Computational Applications, 477-486 pp., 2011.
- 30) M. Sari, A. Gunay, G. Gurarlan, "Approximate solutions of linear and nonlinear diffusion equations by using Daftardar-Gejji-Jafari's method", Int. J. Math. Modell. Numer. Optimisation, 376-386 pp., 2011.
- 31) M.Sari, O. Mutlu, A.Zeytinoğlu, "Effects of human and external factors on traffic accidents", Petroleum-Gas University of Ploiesti Bulletin (Mathematics-Informatics-Physics Series), 9-17 pp., 2009.
- 32) M. Sari, "Differential quadrature method for singularly perturbed two-point boundary value problems", Journal of Applied Sciences, 1091-1096 pp., 2008.
- 33) E.O. Oguz, E.Ş. Çonkur, M. Sari, "SHETEREOM I Simple Windows based software for stereology. Volume and Number Estimations", Image Anal. Stereol., 45–50 pp., 2007
- 34) M. Sari, I. Demir, "Wave modelling through layered media using the BEM", Journal of Applied Sciences, 1703-1711 pp., 2006
- 35) A. Cimbiz, U. Cavlak, M. Sari, H. Hallaceli, F. Beydemir, "A new clinical design measuring the vertical axial rotation through tibial shaft resulting from passive knee and subtalar joints rotation in healthy subjects: A reliability study", Journal of Medical Sciences, 751–757 pp., 2006.

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- 36) M. Sari, E. Gulbandilar, A. Cimbiz, Estimation of low back pain using a fuzzy logic algorithm (SCI) (submitted)
- 37) E. Gulbandilar, M. Sari, A. Cimbiz, Biomechanical parameters: benefits and limitations to its application to clinical problems (SCI) (submitted)
- 38) A. Cimbiz, M. Sari, E. Gulbandilar, Evaluation of skin resistance level on lumbar paravertabral area in low back pain patients (SCI) (submitted)

#### **A.10b Writing a Book Chapter**

M.Sari, T.Ölçer, Burgers Denklemine bir Kapalı SFY Çözümü için MATLAB Kodunun Üretimi, Prof Dr. Önder Göçgün'ün Armağan Kitabı, Cilt 2, 2013 (in Turkish).

#### **A.10d. Chapter in an Encyclopedia**

M. Sari, Fisher's Equation, Encyclopedia of Applied and Computational Mathematics, Springer, 2016.

#### **A.11 Interpreting Book/Book Chapter**

M. Sari, "Ayrık Matematik ve Uygulamaları", Turkish translation of "K.H. Rosen, 2012, Discrete Mathematics and its Applications", Member of Translation Committee, 2015.

### **B) National Reviewed Papers**

- 1) Ç. Ergin, E.O. Oğuz, I. Kaleli, M. Sari, M. Şengül, R. Kutlubay, "Alan Tahmini Yöntemi ile Microsporum canis büyüme dinamiklerinin dört farklı besiyerinde değerlendirilmesi", Türk Mikrobiyol. Cem. Derg., 129-132 pp., 2006 (in Turkish).
- 2) M. Sari, Y.S. Murat, M. Kirabali, Fuzzy modelling approach and applications, Dumlupınar University Journal of Institute of Sciences, 9(9), 2005, 77-92.
- 3) E.O. Oğuz, M. Sarı, Morfometri için Tarafsız Stereoloji Neden ve Nasıl? Son İlerlemeler I, Journal of the Faculty of Medicine (Pamukkale University), 9, 2003, 58-66 (in Turkish).
- 4) E.O. Oğuz, M. Sarı, Morfometri için Tarafsız Stereoloji Neden ve Nasıl? Son İlerlemeler II, Journal of the Faculty of Medicine (Pamukkale University), 9, 2003, 67-76 (in Turkish).
- 5) M. Sari, "The time domain boundary element method for scalar wave problems", Journal of Engineering Sciences (PAÜ), 129-136 pp., 2003
- 6) M. Sari, I. Demir, "Acoustic wave modelling using two different numerical methods", Journal of Engineering Sciences (PAU), 211-217 pp., 2002.

### **C) International Proceedings and Posters**

- 1) M. Sari, J. Zahradka, E. Dinçer, **Plenary Speaker**, "A Numerical Algorithm For Black Scholes Economic Model of American Option Pricing", Second International Scientific Symposium with theme Information Society and Sustainable Development, 24-25 April 2015, Azuga, Prahova, Romania.
- 2) A. Sari, M. Sari, "Sustainable Development And Green Transport In Australia", Second International Scientific Symposium with theme Information Society and Sustainable Development, 24-25 April 2015, Azuga, Prahova, Romania.

- 3) M. Sari, A. Balacescu, M. Zaharia, "Some Numerical Algorithms for the Black Scholes Economic Model: European Option Pricing Model", Second International Scientific Symposium with theme Information Society and Sustainable Development, 24-25 April 2015, Azuga, Prahova, Romania.
- 4) M. Sari, C. Popescu, E. Dinçer, "Numerical Algorithms for Black Scholes Economic Model: American Option Pricing Model", Second International Scientific Symposium with theme Information Society and Sustainable Development, 24-25 April 2015, Azuga, Prahova, Romania.
- 5) M. Sari, M. Zaharia, A. Balacescu, A comparative analysis of labour productivity from the perspective of employment: Romania vs. Turkey, Proceedings of the International Scientific Conference ECO-TREND: Performance, Competitiveness, Creativity, XIth Edition, November 28-29, 2014, Târgu Jiu, Romania.
- 6) M. Sari, A. Sari, C. Popescu, **Plenary Speaker**, "Effects of Intermediate Goods, Capital Goods and Consumer Goods on Export and Import of Turkey", 1<sup>st</sup> International Scientific Symposium with theme Information Society and Sustainable Development, 4-5 April 2014, Ranca, Gorj, Romania.
- 7) M. Aydin, M. Sari, **Plenary Speaker**, "Relationship between GDP and Export in Turkey", 1<sup>st</sup> International Scientific Symposium with theme Information Society and Sustainable Development, 4-5 April 2014, Ranca, Gorj, Romania.
- 8) S.S. Orhan, M. Sari, "Methodological Consensus in Mainstream Economics: DSGE Models, Taylor Rule", 1<sup>st</sup> International Scientific Symposium with theme Information Society and Sustainable Development, 4-5 April 2014, Ranca, Gorj, Romania.
- 9) F.F.Altinoglu, A.Aydın, M. Sari, "Detecting of 3D crust model and lineaments of Denizli graben by using gravity data" The 20<sup>th</sup> International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey
- 10) M. Ivrendi, M. Sari, The Effects of Monetary Policy Shocks on Macroeconomic Variables in Turkey and Romania, First International Workshop on "Education and Sustainable Development Within EU'28", November 8, 2013, Ploiești, Romania.
- 11) A. Sari, M. Sari, Effects of Exchange Rate Changes and Periods of Crisis to Imports of Turkey: the Period of 1986-2013, First International Workshop on "Education and Sustainable Development Within EU'28", November 8, 2013, Ploiești, Romania.
- 12) S.S. Orhan, M. Sari, Modern Macroeconomic Consensus in the Last Three Decades, First International Workshop on "Education and Sustainable Development Within EU'28", November 8, 2013, Ploiești, Romania.
- 13) M. Sari, "Wave Modelling Using the Boundary Element Method", International Geoscience Workshop of Korea, Azerbaijan and Turkey, 05-07 November 2012, Denizli, Turkey.
- 14) B.G. Cetiner, M. Sari, H.M. Aburas, 5th International Advanced Technologies Symposium IATS'09 in "5th International Advanced Technologies Symposium IATS'09", "Recognition of dengue disease patterns using artificial neural networks", 359-362, May 13-15, 2009, Karabük, Turkey.

#### D) Other Publications/Talks

- 1) S. Toprak, E. Nacaroglu, A.C. Koç, M. Sari, U.S. Yildirim and V. Helva, "Christchurch, New Zealand Earthquake Effects on Buried Pipelines in Avonside Area", Eighth National Conference on Earthquake Engineering, 11-14 May 2015, Istanbul, Turkey
- 2) M. Sari, Medical Modelling, Pamukkale University, Faculty of Medicine, 17 December 2014, Denizli, Turkey.
- 3) M. Sari, Various Approaches in Physiotherapy, Zirve University, 27-28 November 2014, Gaziantep, Turkey (in Turkish).
- 4) M. Sari, Economical Modelling, 10-14 November 2014, University of Pardubice, Pardubice, Czech Republic.
- 5) M. Sari, University of Pardubice, Modelling, 10-14 November 2014, Pardubice, Czech Republic.
- 6) M. Sari, Ningbo University, Seismic Wave Modelling Using the BEM, 5-13 September 2014, Ningbo, China.
- 7) M. Sari, Ningbo University, Economical Modelling, 5-13 September 2014, Ningbo, China.
- 8) T. Koparan, M. Sari, "Effects of Boundary Conditions on Scalar Wave Modelling by Using Finite Difference Method", 13th Mathematics Symposium, 15-17 May 2014, Karabük, Turkey (in Turkish).
- 9) M. Sari, "Dynamic Lives, Happy Days/Hopeful Tomorrow", Zirve University, 12-13 Mart 2014, Gaziantep, Turkey (in Turkish).
- 10) M. Sari, "Mathematical Modelling of Seismic Waves using the BEM", Université Toulouse III-Paul Sabatier, 22-23 January 2014, Toulouse, France.
- 11) M. Sari, "Seismic Wave Modelling", Pamukkale University, 16 Ocak 2014, Denizli, Turkey (in Turkish).
- 12) M. Sari, "Seismic Wave Modelling", Boğaziçi (Bosporus) University, 10 January 2014, Istanbul, Turkey (in Turkish).
- 13) M. Sari, "Seismic Wave Modelling", Yıldız Technical University, 19 December 2013, Istanbul, Turkey (in Turkish).
- 14) M. Sari, "Numerical Modelling of Seismic Waves", Dumlupınar University, 26 April 2013, Kütahya, Turkey (in Turkish).
- 15) M. Sari, I. Dag, "Numerical modelling of systems of partial differential equations by a high-order compact finite difference method", Fourth International Conference on Mathematical Sciences, 11-14 March, 2012, Al-Ain, UAE.
- 16) I. Dag, D. Irk, M. Sari, "The extended cubic B-spline algorithm for modified regularized long wave equation", Fourth International Conference on Mathematical Sciences, 11-14 March, 2012, Al-Ain, UAE.
- 17) M. Sari, "2D Wave Propagation Through Layered Media using the Boundary Element Method", International Workshop on Computational Methods in Mathematics, **Invited-nominated Speaker**, Islamabad, 7-9 May 2012, Pakistan.
- 18) M. Sari, "Mathematics for Children", Invited Speaker, June 2012, Denizli, Turkey (in Turkish).
- 19) M. Sari, "Mathematical Modelling of Seismic Waves", Erzincan University, 23 November 2012, Erzincan, Turkey.

- 20) M. Sari, S.G. Kangallı, U. Uyar, "Ortalama varyansa dayalı Markowitz modeli ile optimal portföy seçimine nümerik bir yaklaşım", International Symposium on Econometrics Statistics and Operations Research, May 26-29, 2011, Denizli, Turkey, (in Turkish).
- 21) M. Sari, "Artificial Intelligence Modelling and Rehabilitation", **Invited Speaker**, XIII. Symposium on Advances in Physiotherapy, 7-9 October 2010, Antakya, Hatay, (in Turkish).
- 22) M. Sari, "Scalar Waves through Layered Media using the Boundary Element Method", Workshop on Differential Equations and Applications, Pamukkale University, 2008, Denizli, Turkey.
- 23) M. Sari, "Basic Biomechanical Principles of the Human Motion", Clinical and Cultural Exchange Program between **Pamukkale University** and **Osnabrück University**, 2007, Denizli.
- 24) M. Sari, "Applied Mathematics and Rehabilitation", **Invited Speaker**, Dumlupınar University, II. Conventional Physiotherapy Seminars, 4-6 May 2005, Kütahya, Turkey (in Turkish).
- 25) M. Sari, R.J. Wiltshire, R.W. Williams, "Two dimensional scalar waves through layered media using the time domain direct BEM", IMA Second International Conference on Boundary Integral Methods: Theory and Applications, September 2000, Bristol, UK.

#### **Membership of Scientific/Organizing Committee**

- 1) 14-16 May 2015, 14th Mathematics Symposium, Niğde University, Niğde, Turkey
- 2) 24-25 April 2015, International Scientific Symposium 2st Edition, Information Society and Sustainable Development, Azuga, Romania.
- 3) 15-17 May 2014, 13th Mathematics Symposium, Karabük University, Karabük, Turkey.
- 4) 4-5 April 2014, International Scientific Symposium Ist Edition, Information Society and Sustainable Development, Ranca, Gorj, Romania.
- 5) 23-25 May 2013, 12th Mathematics Symposium, Hacettepe University, Ankara, Turkey.
- 6) 18-20 April, 2008, Workshop on Differential Equations and Applications, Pamukkale University, Denizli.

#### **Projects**

- 1) Finite Difference Solutions of Fundamental Model Problems in Fluid Mechanics, Pamukkale University BAP, 2010FBE004, Project Director, 2010.
- 2) Numerical Modelling of Noise Pollution in a Residential Area, Pamukkale University BAP, 2006 FEF007, Project Director, 2008.
- 3) Solutions of Boundary Value Problems in Sturm-Liouville Form by Differential Quadrature Method, Pamukkale University BAP, 2006 FEF 008, Project Researcher, 2006.
- 4) TÜBİTAK Project, Researcher, "Component and System Based Robustness and Reliability Assessment of Pipelines", 2017.

#### **Prizes**

1. YÖK-International Graduate Grants for M.Sc. and Ph.D.

2. Many TÜBİTAK publication encouragement awards

### **International Journals Refereeing (Lately)**

- Sains Malaysiana
- Medical and Biological Engineering and Computing
- Journal of Sports Science and Medicine
- IET Intelligent Transport Systems
- International Journal for Numerical Methods in Fluids
- Applied Numerical Mathematics
- Numerical Methods for Partial Differential Equations
- Neural Computing and Applications
- International Journal of Computer Mathematics
- Applied Mathematical Modelling
- Boundary Value Problems
- Applicable Analysis
- ANZIAM Journal
- Expert Systems
- Computer Physics Communications
- Applied Mathematics and Computation
- Computer Methods and Programs in Biomedicine
- Computer Applications in Engineering Education
- African Journal of Agricultural Research
- International Journal of Nonlinear Science
- Journal of Computational Science
- Bulletin of the Malaysian Mathematical Sciences Society
- Engineering Applications of Artificial Intelligence
- Advances in Engineering Software
- SDU Journal of Science
- International Journal of Modern Mathematical Sciences

### **Editor**

- Journal of Applied Sciences
- Trends in Applied Sciences Research
- Asian Journal of Scientific Research
- Asian Journal of Mathematics & Statistics
- Journal of Artificial Intelligence
- Science International
- Journal of Applied Computer Science & Mathematics
- Journal of Challenges
- Heliyon

### **Project Refereeing**

- TÜBİTAK project refereeing (2012)
- TÜBİTAK project refereeing (2014, 2)

#### **Universities Attended for Conference/Seminar/Lecture under various programs**

- Bielefeld University, Germany, 2007
- Petroleum-Gas University of Ploiești, Romania, 2009, 2010, 2013
- Pardubice University, Czech Republic, 2012
- Université Toulouse III - Paul Sabatier, France, 2014
- Czech Technical University in Prague, Czech Republic, 2014
- Ningbo University, 3-13 September 2014, Ningbo, China.
- EAIE Prague, The 26th Annual EAIE Conference, “Stepping into a New Era”, 16-19 September 2014, Czech Republic.

#### **In recent years undergraduate/graduate courses**

- Partial Differential Equations and Applications
- Differential Equations
- Numerical Analysis
- Calculus
- Mathematical Economics
- MATLAB Programming
- FORTRAN Programming
- Applied Numerical Methods
- Boundary Element Method
- Econometric and Statistical Software

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### **SKILLS AND ABILITIES**

#### **Computer**

- Programming Skills : MATLAB, MATHCAD, MAPLE, Visual Basic, SURFER, FORTRAN, C#, SPSS
- Operating Systems : Windows 95, 98, 2003, 2007, 2010, Windows XP, Windows 9

#### **Languages**

- Turkish – Native
- English – Advanced Level

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### **PERSONAL CHARACTERISTICS**

- Open to communication
- Compatible to do academic collaboration
- Attempts to create analytical thinking
- Interested in international affairs