# CURRICULUM VITAE

## *A. Personal*

**Name&Surname**: Erol KURT

**Affiliation**: Assoc. Prof. Dr.

**Place &Date of Birth**: Unye (Turkey) / 19 Dec 1975

**Nationality**: Turkish

**Present Status**: Assoc. Prof. Dr.

**Marital Status**: Married

**Present Working Address**: Gazi University, Faculty of Technology, Department of Electrical&Electronics Engineering, 06500 Teknikokullar, ANKARA, TURKEY

**E-mail**: ekurt52tr@yahoo.com

### *1. Further Education*

- **Ph. D. (Sep 2001 - Jul 2004)**
  **Field**: Computational Fluid Dynamics
  **Institution**: University of Bayreuth, Institute of Physics, Bayreuth/Germany
  **Doctoral Thesis**: Pattern Formation in Rotating Fluid Systems under Magnetic Fields
  **Keywords**: Pattern formation, fluid, cylindrical annulus, Ekman-Couette layer, shear, Lorenz force, Coriolis force, convection, instability, bifurcation
  **Adviser**: Prof. Dr. Werner Pesch

- **M. Sc. (Sep 1998 - Apr. 2001)**
  **Field**: Materials Science
  **Institution**: Gazi University, Institute of Science&Technology Ankara / Turkey
  **M.Sc. Thesis**: Crystallographic and Kinetic Properties of Austenite-Martensite Transformation in Fe-8.64%Mn-5.50%Cu Alloy
  **Keywords**: Martensite, phase transition, alloys, x-ray, electron microscopy, Mössbeuer spectroscopy, entalphi
  **Adviser**: Prof. Dr. İrfan Akgün

- **B. Sc. (Sep. 1994-Apr. 1998)**
  **Field**: Dynamic Systems
  **Institution**: Gazi University, Faculty of Education, Department of Physics Ankara / Turkey
  **Res. Proj. for Undergrad**.: A New Paradigm: Chaos
  **Keywords**: Chaos, turbulence, bifurcation, self-organization, chaotic electrical circuits
  **Adviser**: Prof. Dr. Rahmi Yagbasan

## *2. Job Experiences*

- **Assoc. Prof. Dr. (Sep 2011 - …) at** Gazi University, Technology Faculty, Ankara/ Turkey

- **Assoc. Prof. Dr. (Oct 2009 -2011) at** Gazi University, Faculty of Technical Education Ankara/ Turkey

- **Researcher (Nov 2006 – Oct 2009) at** Turkish Atomic Energy Authority, SANAEM, R&D Dep. Fusion Div. Ankara/ Turkey

- **Res.&Teach. Assist. (Sep 2001 - Sep 2004) at** Institute of Physics, University of Bayreuth, Bayreuth/ Germany

- **Res.&Teach. Assist. (Jan 1999 - Mar 2001) at** Gazi University, Faculty of Arts & Sciences, Department of Physics Ankara/ Turkey

## *3. University Courses Taught*

- **As a teaching assistant** in *Solid State*, *Quantum Physics* , *Electronic Lab*, *Quantum Physics Lab* and *Optical Physics Lab.* in (Jan 1999-Jul 2001) at Gazi University, Faculty of Arts & Sciences, Department of Physics.

- **As a teaching assistant** in *Hydrodynamics* and *Electrodynamics* in (Mar 2002-Sep 2004) at the Institute of Physics, University of Bayreuth, Germany.

- **As an Assoc. Prof. Dr** in Electromagnetic Field Theory I, Electromagnetic Field Theory II, Introduction to Electricity, Informatics I, C++, Logic Circuits, Nonlinear Electromagnetic Circuits

## *Relevant Skills*

- **Language**: TOEFL(Comp. Based):240 (2004), ÜDS: 92

- **Computational Skills**: Numerical Methods: Newton Integration Method, Galerkin Method, 3th - 4th Order Runge-Kutta Integration Method, Bisection Methods, Shooting Method, Adams-Bashfort Time Integration, FFT, Data Clustering, Electrical and magnetic machine design w. Maxwell and Superfish package programme.

- **Operating Systems**: LINUX, UNIX, DOS

- **Computer Languages**: Fortran 77, Fortran 90, Q-Basic, W-Basic, UNIX Shell Scripting, C++

- **Programs**: Microsoft Office Suite, Maple, Mathematica, X-Farbe Contour, SPSS, MathCad, xmgr, Adobe Photoshop, Image Pro-Plus.

- **Typesetting**: LATEX, HTML, PostScript & PDF tools

- **Experimental Skills**: CR39 detector diagnostics, Lattice type and parameter evaluation from *x-ray* diffraction and *electron microscopy* pattern. Determination of the magnetic and kinetic properties of alloys by using *Mössbauer spectroscopy* and *Differential Thermal Analysis* (DTA).

- **Languages**: Turkish(*native*), English(*fluent*), German(*elementary*)

### *G. Grants*

- A 4-year grant from Europen Graduate College at University of Bayreuth for doctoral study.

- A research Grant from the joint Turkish-German institutions (TUBITAK-DFG)

### *H. Publications*

- **Publications[*] in Journals:**

**1.** Y. Uzun, **E. Kurt**, Performance exploration of an energy harvester near the varying magnetic field of an operating induction motor", *Energy Conversion&Management, to be published.*

**2.** Y. Uzun, **E. Kurt**, "The effect of periodic magnetic force on a piezoelectric energy harvester", Sensors & Actuators: A, 2013, 192, 58-68.

**3.** **E. Kurt**, S. Arslan, "The effects of cathode structure and dielectric type in an inertial electrostatic confinement (IEC) device", *Energy Conversion&Management*, 63(55-62), 2012.

**4.** **E. Kurt**, S. Arslan and M. E. Güven , Effects of Grid Structures and Dielectric Materials of the Holder in an Inertial Electrostatic Confinement (IEC) Fusion Device, *J. Fusion Energy,* 30(5),404, (2011).

**5.** **E. Kurt**, "A stationary multi-component cathode modeling and ion trajectories for an inertial electrostatic confinement fusion device", *Int. J. Energy Research*,, 35(2), 89-95, (2011).

**6.** M. Cantürk, **E. Kurt**, and I. Askerzade, "Alternative numerical modeling of a superconducting charge qubit as an eigenvalue problem", *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 30(2)(775), (2011).

**7.** **E. Kurt**, M. Cantürk, "Bifurcations and hyperchaos from a dc driven non-identical Josephson junction system", *Int. J. Bifurcation and Chaos*, 20(11), pp.3725-3740, (2010).

[*] Publications have taken a number of references from different authors and scientists. They can be seen in SCI.

**8.** Y. Akgün, A. S. Bölükdemir, **E. Kurt**, T. Öncü, and A. Alaçakir, "Preliminary plasma focus studies at ODAK-3K device using track detectors", *Plasma Dev. Operations*, 17(4), pp. 293-300, (2009).

**9.** **E. Kurt**, H. Kurt and U. Bayhan, "Ionization effects and linear stability in a coaxial plasma device", *Cent. Eur. J. Phys.,* 7(1), 123-129, 2009.

**10.** **E. Kurt**, M. Canturk, "Chaotic dynamics of resistively coupled DC-driven distinct Josephson junctions and the effects of circuit parameters", *Physica D: Nonlinear Phenomena*, 238(22), 2229-2237, 2009.

**11.** M. Cantürk, **E.Kurt**, “Eigenvalue solutions from a Josephson junction circuit as a model of a charge qubit”, *Fizika*, 15(2), 177-179, 2009.

**12.** H. Yucel Kurt, **E. Kurt**, B.G. Salamov, “Development and characterization of semiconductor gas discharge microstructure”, *Fizika*, 15(2), 22-24, 2009.

**13.** **E. Kurt**, Dönen bir halkasal boşlukta bulunan manyetik akışkanın konum-zamansal kaotik yapıları", *in Turkish*, *TÜBAV J. Science*, 1(2), pp73-81, 2008.

**14.** **E. Kurt**, FH. Busse and W.Pesch, “Pattern Formation in the Rotating Cylindrical Annulus with an Azimuthal Magnetic Field at low Prandtl numbers”, *J. Vibration and Control*, 13, 1321-1330, 2007.

**15.** M Canturk, **E Kurt**, “Phase-dependent characteristics of a superconducting junction by using Schrödinger wave function”, *Physica Scripta*, 76, 634-640, 2007.

**16.** **E. Kurt**, “Nonlinear Responses of a Magnetoelastic Beam in a Step-Pulsed Magnetic Field", *Nonlinear Dyn*., 45(1-2), 171-182, 2006.

**17.** **E. Kurt**, M. Boyukata and Z.B. Guvenc, “Lyapunov exponent as an indicator of phase transition in melting Pd13 clusters", *Physica Scripta*, 74, 353-361, 2006.

**18.** H. Yucel Kurt, **E. Kurt** and B. Salamov, “Identification of the dynamics of plasma-induced damage in a CuInSe2 thin Film by fractal processing", *Crystal Res. & Techn*., 41(7), 698-707, 2006.

**19.** **E. Kurt**, “Nonlinearities from a non-autonomous chaotic circuit with a non-autonomous model of Chua's diode", *Physica Scripta*, 74, 22-27, 2006.

**20.** **E. Kurt**, FH. Busse and W.Pesch, “Hydromagnetic convection in a rotating annulus with an azimuthal magnetic Field", *Theor. & Comp. Fluid Dyn*., 18(2-4), 2004.

**21.** H. Yucel Kurt, **E. Kurt** and B. Salamov, “Fractal processing for an analysis of the quality and resistivity of large semiconductor plates", *Crystal Res. & Techn*., 39(9), 2004.

**22.** **E. Kurt**, R. Kasap, and S. Acar, “Effects of Periodic Magnetic Field to the Dynamics of Vibrating Beam", *Math. & Comp. Appl. J.,* 4(2), 2004.

**23.** B.G. Salamov, H. Yucel Kurt , and **E. Kurt**, “An analysis of the spatial homogeneity of a photodetector surface in an infrared image converter using the fractal dimension", *Imag. Sci. J*., 51(4): 187-197, 2003.

**24.** H. Yucel Kurt, **E. Kurt**, and B.G. Salamov, “An analysis of the image homogeneity in an ionization type infrared image converter using the fractal dimension", *Imag. Sci. J.* 49 (4): 205-212, 2001.

**25.** **E. Kurt**, M.K. Ozturk, and R. Kasap, “Investigating the most appropriate parameters of the nonlinear resistor circuit from time series", *Gazi Uni. J. Inst. Sci. & Techn*., 14 (4), 2001.

**26.** **E. Kurt**, M. Karabacak, and Z.B. Guvenc, “Chaotic Properties of $Pd_7$ Cluster", *Balkan Phys. Lett*., 9(2), 2001.

**27.** **E. Kurt**, S. Acar, and R. Kasap, “A comparison of chaotic circuits from a statistical approach", *Math. & Comp. App. J*., 2(2), 2000.

**28.** R.Kasap, and **E. Kurt**, “Investigation of chaos in the RL-Diode circuit by using the BDS test", *J. Appl. Math. & Decision Sci*., 2(2), 1998.

- **Dissertations:**

**1. E. Kurt**, *Pattern Formation in Rotating Fluid Systems under Magnetic Fields*, Doctoral dissertation in University of Bayreuth, be available in Opus-Dokumentenserver, Universitatsbibliothek Bayreuth, **URL:** http://opus.ub.unibayreuth.de/volltexte/2004/112/.

**2. E. Kurt**, *Crystallographic and Kinetic Properties of Austenite-Martensite Transformation in Fe-8.64%Mn-5.50%Cu Alloy*, M.Sc Thesis in Gazi University, Ankara (Turkey), 2001.

**3. E. Kurt**, *A New Paradigm: Chaos*, Undergraduate Thesis, Ankara, 1998.

- **Lecturer in Schools:**

**1. E. Kurt,** *Modeling of magnetohydrodynamic systems and* an *overview to the instabilities,* II. Ph.D. School on Mathematical Modeling of Complex Systems, 16-28 July, 2012, Pescara, Italy.

**2. E. Kurt**, *Introduction to Magnetohydrodynamics*, ISMFA Int. School on Magnetohydrodynamics and Fusion Applications, Turunç, Marmaris, Turkey.

3. **E. Kurt,** *Developments in fusion energy researches,* European Workshop on Renewable Energy Systems, 17-28 Sep. 2012, Alanya, Antalya, Turkey.

4. **E. Kurt**, “Nonlinear aspects in a new piezoelectric energy harvester under a changeable magnetic flux”, European Workshop on Renewable Energy Systems, 17-28 Sep. 2012, Alanya, Antalya, Turkey.

- **International Conferences:**

**1. E. Kurt**, Y. Uzun, “Design and bifurcation analysis of a piezoelectric energy harvester under a changeable magnetic field”, 2. Int. Conf. Nuclear and Renewable Energy Resources, Gölbaşı, Ankara, (2010).

**2. E. Kurt**, “Particle trajectories in an inertial electrostatic confinement fusion device”, Nucl.&Renew. Energy Res. Conf. w. Int. Particip., Ankara, Turkey, 28-29 Sep 2009.

**3.** A. S. Bölükdemir, Y. Akgün, E. Kurt, T. Öncü, A. Alaçakır, “D-D fusion studies at Odak-3k plasma focus device”, Nucl.&Renew. Energy Res. Conf. W. Int. Particip., Ankara, Turkey, 28-29 Sep 2009.

**4.** Y. Akgun, A.S. Bolukdemir, T. Oncu, A. Alacakir, **E. Kurt**, E. Recepoglu, A. Yuzubenli, I. Turk Cakir, H. Karadeniz, S. Zararsiz, "Preliminary Fusion Studies with ODAK-3K Plasma Focus Device", 5. Eurasian Conf. Nucl. Sci. Appl., Ankara, Turkey, 14-17 Oct 2008

**5.** M. Canturk and **E. Kurt**, "A Resistively Coupled DC-Driven Circuit Modeling of Josephson Junctions for Chaotic Signal Generation", Int. Workshop on New Trends in Sci. Tech., Ankara, Turkey, 3-4 Nov 2008.

**6. E. Kurt**, W. Pesch, and F.H. Busse, “Pattern Formation in the Rotating Cylindrical Annulus with an Azimuthal Magnetic Field at Low Prandtl Numbers", Mathematical Methods in Engineering, Cankaya University, Ankara, (Turkey), 27-29 April 2006.

**7.** A. Alaçakır, T. Öncü, **E. Kurt**, Y. Akgün, A.S. Bölükdemır, A. Elmalı, H. Karadenız, E. Recepoğlu, İ. T. Çakır, Ö. Yeşiltaş, S. Zararsız, "Plasma focus system design, construction and experiments", ICENES (13. Inter. Conf. Emerging Nuclear Energy Sys.), İstanbul, 3-8 Jun 2007.

**8. E. Kurt**, F.H. Busse, and W. Pesch, “Convecting Instabitilies in the Rotating Cylindrical Annulus with Azimuthal Magnetic Field", 12. International Statistical Physics Congress, Istanbul, (Turkey), 2005.

**9. E. Kurt**, F.H. Busse, and W. Pesch, “Centrifugally Driven Convection with an Azimuthal Magnetic Field", Non-Equilibrium Phenomena and Phase Transitions in Complex Systems, Bayreuth, (Germany), Sep.28-Oct.2, 2004.

**10. E. Kurt**, F.H. Busse, and W. Pesch, “Hydromagnetic convection in the rotating cylindrical annulus with azimuthal magnetic Field", 13th International Couette-Taylor Workshop (Nonlinear dynamics in Fluids), Barcelona, (Spain), 2003.

**11.** B.G. Salamov, M.M. Bülbül, H. Yucel, **E. Kurt**, "Surface behaviour of plasma etched photodetector in a planar gas discharge image converter", 7th International Conference on Nanometer-Scale Science and Technology, ECOSS-21, Malmö, Sweden, 24-28 Jun 2002.

**12. E. Kurt**, and F.H. Busse, "The magnetic Ekman-Couette layer", 5th Magnetohydrodynamics Day, Dresden, (Germany), 2002.

**13. E. Kurt**, M. Karabacak, and Z.B. Guvenc, "Chaotic properties of Pd7 cluster", BPU-4, (IV. International Balkan Physics Congree), V. Turnovo, (Bulgaria), 2000.

**14. E. Kurt**, S. Acar, and R. Kasap, "A nonlinearity analysis of the nonlinear resistor circuit using a statistical test", 3. International Statistical Physics Congress, Istanbul, (Turkey), 1999.

**15. E. Kurt** , "Periodic and aperiodic dynamics from a resistively coupled nonidentical superconducting junction under dc excitations", *Recent Advances in Circuits, Systems and Signals*, 1(29), 2010, Malta.

**16.** S. Arslan, H. Fidanboy, Ş. Demirbaş, M.E. Güven, **E. Kurt**, "Investigation of Current Harmonics Using FEM on Different Rotor Types of PMSMs", *ICAT- 23. Int. Sym. Information, Communication and Automation Tech.*, 27-29 Oct. 2011, Sarajevo, Bosnia&Herzegovina.

**17. E. Kurt**, S. Arslan, 2011. "The Effects of Cathode Structure and Dielectric Type in an Inertial Electrostatic Confinement (IEC) Device" , *10. Int. Conf. Sustainable Energy Technologies*, Kumburgaz, İstanbul.

**18. E. Kurt**, S. Arslan, M. Demirtaş, Güven, M.E., "Design and analysis of an axial-field permanent magnet generator with multiple stators and rotors" , 2011, *IEEE 3. Int. Conf. on Power Engineering,* 11-13 May 2011, Malaga, İspanya.

**19.** Y. Uzun, **E. Kurt**, "Implementation and Modeling of a Piezoelastic Pendulum under a Harmonic Magnetic Excitation", *WSEAS 11. Int. Conf. Applications of Electrical Engineering (AEE '12)*, 7-9 March 2012, Athens, Greece.

**20.** S. Söyler, **E. Kurt**, O. Dağ, "Optimization of the Magnetic Anomaly Signals from a New Land-Mine Detection Device", *WSEAS 11. Int. Conf. Applications of Electrical Engineering (AEE '12)*, 7-9 March 2012, Athens, Greece.

**21. E. Kurt**, S. Arslan, "The finite element analysis of an inertial electrostatic confinement (IEC) unit", IAEA Fusion Energy Conference, San Diego, USA, 8-13 Oct. 2012.

**22.** Y. Uzun, M. Demirtaş, **E. Kurt,** "Exploration of the energy harvesting for a weather station", European Workshop on Renewable Energy Systems, Alanya, Antalya, Turkey, 17-28 Sep. 2012.

**23.** H. Gor, M. Demirtaş, E. Kurt, A new permanent magnet wind energy generator design with axial and radial directed fluxes, European Workshop on Renewable Energy Systems, Alanya, Antalya, Turkey, 17-28 Sep. 2012.

- **National Conferences:**

**1.** I. Akgun, **E. Kurt**, H.Y. Ocak, G. Ugur, and E. Ucgun, “Crystallographic and Structural Properties of the Austenite-Martensite Phase Transformations in Fe-8.62%Mn-5.52%Cu Alloy", 21th Physics Congress of Turkisch Physical Society, Isparta, (Turkey), 11-14 Sep 2002.

**2.** H. Yucel Kurt, **E. Kurt**, B. Salamov, “A non-destructive quality test method for the semiconductor plates using fractal dimension analysis", 8th Condensed Matter Physics, Ankara, (Turkey), 2001.

**3. E. Kurt**, M. Boyukata, Z.B. Guvenc, and R. Kasap, “Chaotic dynamics of $Pd_{13}$ cluster", III. Atomic and Molecular Physics Congress, Erzurum, (Turkey), 2000.

**4. E. Kurt**, W. Pesch, and F.H. Busse, “Instabilities of convection patterns in a rotating cylindrical annulus under a magnetic Field", Turkish Math. Soc. Ankara Branch- Ankara Mathematical Days PDE Meetings 6, Ankara, (Turkey), 2006.

**5. E. Kurt**, R. Kasap, M. Canturk, "Josephson eklem sisteminden elde edilen zaman serilerinin istatistiksel olarak incelenmesi", *in Turkish*, 18. Statistical Research Symp., Ankara, 7-8 May 2009.

**6. E. Kurt**, M. Cantürk, "Dc beslemeli bağlı Josephson eklemleri içeren süperiletken cihazın simülasyonu ve dinamik özellikleri", *in Turkish*, 15. Condensed Matter Physics Congress, Bilkent University, 7 Nov 2008.

**7. E. Kurt**, “Manyetik Ekman-Couette Tabakası Kararsızlıkları ve Desenler”, 18. İstanbul İstatistik Fizik Günleri Sabancı Ünv. , İstanbul, 2011.

**8.** E. Kurt, O. Taşkan, 2012. “Periodic and Complex Responses from two Basic Electrical Circuits”, 19. İstatiksel Fizik Günleri, Sabancı Üniversitesi, Istanbul

- **Missions in Organized Scientific Events:**

1. **Co-chairman** to *NuRER- Nuclear & Renewable Energy Resources Conference w. Int. Cont.*, 28-29 Sep 2009, Ankara, Turkey
2. **Co-chairman** to *NuRER- Int. Conf. Nuclear & Renewable Energy Resources*, 4-7 July 2010, Ankara, Turkey
3. **Co-chairman** to *NuRER- Int. Conf. Nuclear & Renewable Energy Resources*, 20-23 May 2012, Ankara, Turkey
4. **Scientific Secretary** to SET 2011- Sustainable Energy Technologiesi, 4-7 Sep. 2011, Istanbul, Turkey
5. **Chairman** to *ISMFA- International School on Magnetohydrodynamics & Fusion Applications*, 9-16 Sep 2011, Muğla, Turkey.
6. **Chairman** to *EWRES- European Workshop on Renewable Energy Systems*, 17-28 Sep 2012, Alanya.

7. Head of the Organizing Committee, International Workshop on Numerical Fusion Experiments, 2010, Ankara, Turkey ( w. Prof. Lee ve Prof. Saw)
8. Head of the Organizing Committee, International Workshop on Numerical Fusion Experiments, 2009, Ankara, Turkey ( w. Prof. Lee ve Prof. Saw)

- **Scientific Popular Journal Papers & Books (in Turkish):**

**1. E. Kurt**, "A travel into chaos", Populer Bilim, Apr. 1997, Isik Publ. Ltd., Ankara.

**2. E. Kurt**, "From determinism to indeterminism", Populer Bilim, Dec. 1997, Isik Publ. Ltd., Ankara.

**3. E. Kurt**, "Quantum theory and its basic concepts", Populer Bilim, Nov. 1997, Isik Publ. Ltd., Ankara.

**4. E. Kurt**, "Secrets of blackholes", Populer Bilim, Sep. 1997, Isik Publ. Ltd., Ankara.

**5. E. Kurt**, "Kuhn and Paradigm-related Science", Populer Bilim, Feb. 1998, Isik Publ. Ltd., Ankara.

**6. E. Kurt**, R. Kasap, "The science of complexity: Chaos", Nobel Yayınları, Ankara, 2011.

***I.*** **<u>Dissertation Advisership:</u>**

- Y. Akgün, "Mather Tip Plazma Odak (Plasma Focus) Cihazında Optimizasyon ve Plazma Yoğunluk Ölçüm Çalışmaları (Optimisation of the Mather type plasma focus device and studies on plasma density measurements)", *Ankara University Institute of Natural Sciences*, PhD Thesis (Second Advisor)
- S. Söyler, "Detection and classification of the explosives using artificial neural network and magnetic features", *Gazi Unv. Institute of Natural Sciences*, PhD Thesis (*continues*)
- Y. Uzun, "Periyodik manyetik alanlar etkisinde doğrusal-olmayan titreşimlerden elektrik enerjisi üretimi" *Gazi Unv. Institute of Natural Sciences*, PhD Thesis
- B. Dursun, "Design of an inertial electrostatic confinement fusion device and determination of ion behavior", *Gazi Unv. Institute of Natural Sciences*, MSc Thesis (*continues*)

***J.*** **<u>Projects</u>**

- Researcher between 2001- 2004 at Bayreuth University (Germany), European Graduate College Project, Hydromagnetic Instabilities in Rotating Fluid Systems.
  Project Head: Prof. Dr. Friedrich H. Busse

  Project No: GRK 698/1-3

- Researcher between 2000-2002 at Gazi University, Faculty of Arts & Sciences, Scientific Research Project, Crystallographic and kinetic properties of the Austenite-Martensite phase transformation in Fe-based alloys.
  Project Head: Prof. Dr. İrfan AKGÜN

Project No: FEF. No: 2000/06-05

- Researcher between 2006-2009 at Turkish Atomic Energy Authority Sarayköy Nuclear Research and Training Center, Plasma focus device construction for neutron lithography Project,
  Project Head: Dr. İ. Türk Çakır

  Project No: No: III –B.06.TAEK.2.

- Cooedinator between 2012-2014 for EU Project – The European Workshop on Renewable Energy systems at Gazi University

  Project No: 2012-1-TR1-ERA10-36810

### *K. Journal or Procedings Editorship and Editorial Board Membership*

- Editor for peer reviewed scientific TUBAV Journal of Science (in Turkish).
- Guest Editorship for Int. J. Electr. Energy Res.
- Editor for the Conference Proceedings of NuRER 2010
- Editor for the Conference Proceedings of NuRER 2009
- Member of editorial board *of Science J. Circuits, Systems and Signal Processing*.

### *L. Membership to Scientific Organisations*

Member of Turkish Science Research Foundation (TÜBAV) and Member of the Administrative Board.

### *M. Scientific Event Missions:*

- Technical Chairman to 3. Int. Conf. Nuclear and Renawable Energy Resources (NuRER) 2012, Istanbul, Turkiye
- Co-Chairmanship to 2. Int. Conf. Nuclear and Renawable Energy Resources (NuRER) 2010, Ankara, Turkiye
- Co-Chairmanship to Int. Conf. Nuclear and Renawable Energy Resources (NuRER) 2009, Ankara, Turkiye
- Head of Organisation Committee, Workshop on Numerical Fusion Experiments, 2010, Ankara, Turkiye (w. Prof. Lee and Prof Saw)
- Head of Organisation Committee, Workshop on Numerical Fusion Experiments, 2009, Ankara, Turkiye (w. Prof. Lee and Prof Saw)
- Technical Chairman to SET 2011- 10. Int. Conf. Sustainable Energy Tech., Istanbul, 2011
- Head of Organisation Committee, ISMFA-Int. School on Magnetohydrodynamics&Fusion Appl., Turunç, Marmaris, Turkey.

- Head of Organisation Committee, EWRES, European Workshop on Renewable Energy Systems, 17-28 September 2012, Alanya, Antalya, Turkey
- Technical Chairman to 10. Int. Conf. Sustainable Energy Technologies, (SET) 2012, Kumburgaz, Istanbul, Turkiye.