

Research Interest May 2017

Asst. Prof. Dr. Refet Ramiz

My specific research interest includes Electronic and Communication, Administration, Education, Natural Sources and Energy.

1) Electronic and Communication; 3G, Antennas, CDMA, Circuit Analysis, Computer Added Design, Computer Communications, Digital communications, Dispersive Materials, Earth-Satellite Communication, Electricity-Electronics, Electromagnetic Compatibility, Electromagnetic Field Measurement, Electromagnetic Isolation, Electromagnetic Waves, Electronic & Communication, Electronic Defense Systems, Electronic Warfare, Engineering Com. Management, GSM Monitoring System, GSM, Information Technology, Innovation, Interference, IT Strategy, Microwave Circuits, Microwave Remote Sensing, Microwave Theory & Techniques, Mobile Communication Systems, Mobile Phones, Network Planing, Network Security, Propagation, Radar Techniques, Security of the Natural Sources, Security Systems, Statistics, Target Detection and Identification, Technical Regulations, Telecommunication, UMTS, Vehicular Technology, Wireless Communication Systems,

2) Administration; Accreditation, Administration and Politics, Administration and State Systems, Administration Science, Administration Systems, Business Analysis, Business Case, Business Advisory, Business Planning, Business Process Improvement, Business Strategy, Business Transformation, Change Management, Corporate Advisory, Combat with Organised Crimes, Continuable Political Administration System, Economical Administration, Expert Advisory, Engineering, Expertise, Forecasting, Governance, Government Relations, Government, Information and Service, Information Science, Inspection, Integration, IT Strategy, Investment Advisory, Judging, Knowledge Management, Law and Society (Social Justice), Logistic, Management Consulting, Military Administration, New Business Development, Organizational Development, Political Administration, Personnel Consultant, Problem Solving, Program Management, Project Delivery, Project Planning, Project Portfolio Management, Resource Management, Risk Analysis, Risk Management, Ruling, Security Administration, Standardisation, Strategic Administration, Strategic Planning, Strategy Development, Technical Advisory, Team Building, Team Management, Transportation,

3) Education; Education Systems, Engineering,

4) Natural Sources and Energy; Alternative Energy Systems, Security of the Natural Sources, Mines, Water, Solar Energy Systems,

I worked as an Assistant Professor in Y.T.U. University-Electronic and Communication Eng. Dept. Electromagnetic Fields and Microwave Techniques Dept.-Istanbul, and in Istanbul Air Force Academy between 2000-2006 period, worked at CIU University-North Nicosia in February-June 2007 period, at Çankaya University-Ankara in 2008-2009 period and worked at NEU University-North Nicosia between March – June 2011 period, and working at NEU University since March 2015.

I consulted, coordinated to the projects/law drafts to the Governments, some Associations and to other groups in Turkey and in Country North Cyprus/TRNC, directly and indirectly about the subjects related with his professional interests between 1993-2011.

I founded the first standard GSM System Laboratory of Turkey in 2002. I founded the Y.T.U.-IEEE club in 2001, and Y.T.U.-Solar Car club in 2005 too.

I supervised more than **55** final thesis/projects. I have been in the student encouragement, support committee. I opened the new courses about Electronic Defense Systems, GSM System Test and Measurements. I have **3** books, **30** international article/conference papers, **20** national articles, more than **1500** technical reports, more than **40** law-court expert reports. I prepared and signed up **1** national official protocol, **1** national private protocol (2002) and **1** international official protocol (MoM-2004). There are more than **1.500** (one thousand five hundred) technical reports prepared, which includes studies, investigations, measurements about Radio Base stations, Electromagnetic Field Measurements, Environment and Human health, Conformity to Microwave Radiation Safety Standards, Electricity, Electronics, Communications, Computer, etc., which belongs to various person, company, foundation, GSM Operators.

There are more than **40** (forty) expert reports prepared due to the requests of various law-courts, that includes studies, investigations, measurements about Radio Base stations, GSM Systems, Electromagnetic Field Measurements, Environment and Human health, Conformity to Microwave Radiation Safety Standards, Electricity, Electronics, Communications, Computer, Electromagnetics, Energy Transmission Lines, Mobile phones, etc., which belongs to various person, company, foundation, GSM Operators

I examined/evaluated projects with the value of more than **1 billion USD** through law-court experts. I also constituted and realized national laws and organizations under some projects which earned more than **50 billion USD** to the Turkish Government and related private sectors.

I am invited to organise **4** international conferences, **1** national symposium and **1** congress. He invited to **3** international People to People Ambassador programs as a delegate. I have been in U.K., Germany, U.S.A., Malaysia, Switzerland, Hungary, Italy, Austria, Turkey, T.R.N.C./North Cyprus, France, Taiwan, Canada, Belgium, Spain, Morocco, Netherland, Israel, Palestain, Vatican and “Others” and participated to the international committee assembly as a delegate as a representative of Country Turkey and also invited to participate to the conferences, symposiums, meetings in different countries.

I took the responsibility to execute the projects about Turkcell and Telsim GSM operator companies in Turkey between 2001-2006. I am one of the first person who authorised to make electromagnetic measurements around Turkey (2001). I made consultancy to Telecommunication Authority (today its name is changed as Information and Communication Authority-BTK/ITCA) about this subject. I prepared and signed up collaboration agreements with Telecommunication Authority and Ericsson-Turkey in 2002. I completed **2** research fund projects: (a) Computer Aided Analysis of the Linear and Non-Linear Microwave Communication Circuits: Optimization and Design, (b) Modelling of the Discontinuities in Dispersive Waveguides: Analysis and Design.

I directed the project to detect the electromagnetic field effects in the building. Also made the shielding at the premises to protect the electronic items against the electromagnetic field effects.

I made consultancy (officially between 2000-2006, and other dates) about the projects (so called IMEI, etc.) and about preparing various electronic and communication law drafts under the constitution of Telecommunication Authority. I coordinated, executed, directed the international official meetings, collaborations between the U.K. and Republic of Turkey's Official associations (Ministry of Justice, Ministry of Internal Affairs, Ministry of Transportation, Undersecretary of Foreign Commerce, Undersecretary of Customs, Telecommunication Authority, etc.). A national project "Meeting to combat mobile phone crimes in the U.K. and Turkey and to develop common strategies for governments, police and industry" with the value of nearly **20 million** USD is established in Turkey through my coordination. This project includes Establishment of a GSM IMEI Monitoring System within the constitution of TA-Technical Regulations and Standardisation Department to Prevent Illegal Mobile Equipment (GSM Phone) Trade and to combat with mobile phone thefts and related crime actions. I made a consultancy, project coordination to TA-Technical Regulations and Standardisation Department for establishment of a system.

I organized the project at ITCA about Fundamentals for Protecting Electronic and Communication Systems Against Fraud.

I organised Collaboration project with Telecommunication Authority for the purpose of training, research and development within the Telecommunication sector.

I defined and organized the current project "Countries' Union and Continuable Political Administration System for Turkey and Other Countries :Basics of the System".

I reviewed, refereed **12** international journal articles, national symposium articles. I am dutied/did transform **47** European Norms, standards to the Turkish Standards. I won North-Cyprus (T.R.N.C.) National Education Ministry's undergraduate scholarship, National Education Ministry's Master scholarship and National Education Ministry's Doctorate encouragement scholarships.

I have TUBITAK chemistry award, TUBITAK encouragement award, Turkish Republic National Education Ministry encouragement award, Y.T.U. Science Encouragement awards.

I was an Advisory board member of Telecom World magazine company, I became the member of IEEE, URSI, EUMWA, International Electrotechnical Committee (IEC) Standard Association, International Institute for Strategic Studies (IISS), The Electromagnetic Academy, Turkish Experts's Association, Cyprus Turkish Culture Association, Cyprus Turkish Chamber of Electrical Engineers (K.T.E.M.O), International Political Science Association (IPSA), Advisory Board member and Scientific Board member of Turkish Strategic Research Center. I also represented some civil society associations (founded in T.R.N.C) in Turkey between 2000-2006.