Research and Teaching Opportunities in Turkey for USF Faculty

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Opportunities for Faculty Research and Teaching in Turkey

For faculty interested in engaging with Turkish universities, this document provides a brief overview of the universities USF faculty and administrators visited during 2010 and 2011 as part of dialogue tours sponsored by the Turkish Cultural Center of Tampa Bay. USF has formal agreements with two prestigious universities located in Ankara, Turkey’s capital: Hacettepe University and the Middle East Technical University. In addition, USF has a formal agreement with a newly established private university, Meliksah University, located in the city of Kayseri in central Turkey. Ten universities, (public and private) are profiled in this document—all offer excellent opportunities for research and/or teaching collaboration in a variety of disciplines. This list is intended to be illustrative and is not exhaustive.

Collaborating with Turkish partners Faculty are welcome to establish working relationships for research and teaching collaboration without a formal agreement. Formal agreements are NOT a necessary requirement for partnerships.

Should a partner in Turkey request a formal agreement, please visit: 
http://global.usf.edu/intl_agreements.php for more information. Listed below is contact information for individuals who can assist you with the collaboration process.

USF World/Academic Affairs: Contact Dr. Maria Crummett, Associate Vice President for Global Affairs at mcrummet@usf.edu

College of Medicine: Contact Dr. John Sinnott, Associate Dean of International Affairs at jsinnott@health.usf.edu

College of Public Health: Contact Dr. Ann DeBaldo, Associate Dean, International Programs at adebaldo@health.usf.edu

College of Nursing: Contact Dr. Sandra Cadena, Director, Global Health Programs at scadena@health.usf.edu

The Fulbright Scholar Program has launched a Turkey Initiative which includes a unique award for U.S. scholars and Turkish scholars who collaborate on designing a single joint teaching or teaching/research project.

More information about the Fulbright Turkey Initiative is available at:
http://www.cies.org/Fulbright/Turkey

A directory of USF Fulbright Scholars is available at:
http://global.usf.edu/fulbright_directory.php

USF Education Abroad offers a variety of study abroad opportunities for students and faculty including: semester exchanges, summer and short term programs, international internships, and service learning. Programs range in duration from two weeks to one year and award academic credit.

More information about how to organize a study abroad program in Turkey is available at:
http://global.usf.edu/educationabroad/
USF Engagement with Turkish Universities, Scholars, and Students

USF Formal Agreements with Turkish Universities for Research, Teaching, Training, and Faculty/Student Exchanges

Middle East Technical University, METU – Ankara
Hacettepe University, - Ankara
Meliksah University – Kayseri
Cumhuriyet University – Sivas [Agreement in progress with USF College of The Arts]

Visiting Faculty from Turkey:

The scholar data includes only visiting faculty/staff/researchers. The data includes all researchers on a J-1 visa. Data collected by the Office of International Services for the 2007-2011 period.

Total: 23 visiting scholars/faculty from Turkey

Gender: 11 females and 12 males

Area of research:

<table>
<thead>
<tr>
<th>Area of Research</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
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</tr>
<tr>
<td>Music</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>Engineering</td>
<td>16</td>
</tr>
<tr>
<td>(3 chemical; 13 electrical)</td>
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</table>

Home Institutions:

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<tr>
<td>Erciyes University</td>
<td>3</td>
</tr>
<tr>
<td>Hacettepe University</td>
<td>1</td>
</tr>
<tr>
<td>Instanbul Technical University</td>
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<tr>
<td>Istanbul University</td>
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<tr>
<td>Kocaeli University</td>
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<tr>
<td>Selcuk University</td>
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<td>Suleyman Demirel University</td>
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<td>Yildiz Technical University</td>
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<td>unknown</td>
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</tbody>
</table>
**USF Faculty Educated in Turkey**

Information sourced from the USF Graduate School as of 1/3/11. Except where noted with an asterisk, faculty have also earned a graduate degree in the United States. This list is unofficial and may not be comprehensive.

Kara Levent, Assistant Professor, School of Architecture

Orhan Arslan,* Associate Professor, Pathology and Cell Biology, Medicine

Rasim Guldiken, Assistant Professor, Mechanical Engineering

Gokhan Mumcu, Assistant Professor, Electrical Engineering

Aydin K. Sunol, Professor, Chemical and Biomedical Engineering

**Turkish Students Studying at USF (degree, non-degree, and exchange)**

Since 2005, USF has hosted more than 280 graduate and undergraduate students from Turkey. The vast majority of these students pursue graduate degrees in the fields of engineering (civil, electrical, industrial, and mechanical), business administration, psychology, and secondary language acquisition and instructional technology. On average, USF hosts 40 Turkish students (graduate and undergraduate combined) annually.

**USF Students Studying in Turkey**

The pool of students from USF who have studied (or are planning to study) in Turkey is quite small. On average, one USF student spends a 7 week summer session at Bosphorus/Bogazici University in Istanbul and over the past several years only one student has participated in a traditional semester exchange program (with Bosphorus).

In the past, USF Education Abroad has offered study abroad experiences in Turkey; particularly during the spring break period. Opportunities for study abroad in Turkey can be found at: [http://global.usf.edu/educationabroad/](http://global.usf.edu/educationabroad/)

**Student Organizations at USF**

Turkish Student Organization, Advisor, Professor Aydin Sunol, College of Engineering

[http://www.ctr.usf.edu/turkishsa/](http://www.ctr.usf.edu/turkishsa/)
**Turkish University Profiles**

Presented here is brief background information about a select group of universities that offer programs in a wide variety of disciplines and coursework primarily in English. The ten universities profiled in this document represent the institutions visited by USF faculty and administrators during two separate “dialogue tours” hosted in 2010 and 2011. This list is not intended to be comprehensive, but merely illustrative of the types of opportunities available in Turkey.

For more detailed information about an institution, visit the websites of the various universities for information specific to your discipline. In general, there is a great deal of interest in collaborating with U.S. faculty among Turkish scholars. For the interested faculty member, there are many opportunities for international engagement.

If you would like further contact information for a specific discipline, please contact: Dr. Kiki Caruson, Research Administration Faculty Fellow, Office of Research and Innovation and USF World, at kcaruson@usf.edu

Prior to the 1980s there were no private universities in Turkey. Since 1985 private institutions have flourished and the government has funded new public universities. Among our peer institutions in Turkey, many faculty members received their graduate degrees from American or Canadian universities. A significant number of universities, especially elite universities and private institutions, offer courses exclusively in English.

The elite public universities including Bogazici (Bosphorus) in Istanbul, Hacettepe and the Middle East Technical University (METU) in Ankara, have high caliber faculty and students, and excellent core facilities and research resources.

The “older” generation of private universities including Bahcesehir and Fatih in Istanbul, and Bilkent in Ankara are also well established and have much to offer in terms of opportunities for research collaboration and faculty/student exchanges. These universities have excellent faculty and student bodies that are similar in caliber to USF’s population.

A new generation of private universities including Meliksah in Kayseri, Mevlana in Konya, and Gediz in Izmir offer beautiful facilities, faculty trained in the United States or recruited from elite institutions within Turkey, and an abundance of resources, but their programs and research labs are in the early stages of operation. There are interesting opportunities within these universities as well, including possibilities for teaching, training, and research collaboration.
Experiencing Turkey

For the past several years, the Turkish Cultural Center of Tampa Bay has hosted dialogue tours of Turkey for USF faculty, administrators, and community leaders. The trips are generally ten days in length and include travel to several cities across Turkey; opportunities to visit public and private universities; and opportunities for research collaboration and exchanges among faculty and students. The tour also includes visits to many of Turkey’s most important historical sites. The trip itinerary for 2010 included Istanbul, the nation’s capital city Ankara, and several cities in central Turkey. The 2011 trip included Instanbul, Izmir, located along the Agean coast, and several cities in central Turkey including Konya and Kayseri. More information about the Turkish Cultural Center of Tampa Bay can be found at: http://www.tampaturkish.org/

Geographically, Turkey serves as an important bridge between Europe and Central Asia. To the west, Turkey borders Greece and Bulgaria. To the east the country can count Georgia, Armenia, Iran, Iraq, and Syria as its neighbors. Surrounded by seas on three sides (the Black Sea to the north, the Mediterranean to the south and the Agean to the west), historically, Turkey functioned as the center of commerce including well known silk and spice trading routes. Today it is a popular tourist destination.

Modern Turkey was founded by Mustafa Kemal Atatürk in 1923 which marked the end of the reign of the Ottoman Empire. Turkey has evolved into a modern, democratic state, is a member of NATO, and a candidate for membership in the European Union. Turkey has three large urban centers: Ankara its capital located in central Turkey, Istanbul its cultural center stretched between Europe and Asia, and Izmir located along the Agean coast with beautiful beaches and seaside resorts. Central Turkey is home to a thriving small business community and is well known for its many entrepreneurs. Turkey’s population of 74 million is mostly Sunni Muslim, however, the government remains committed to a secular society. People of all faiths and ethnicities can be found in Turkey’s urban regions.

Turkey is a country of diverse cultures, beliefs, ideas, geography and history. The Turkish landscape combines the characteristics of three continents: Europe, Africa and Asia. Between 2000 B.C. and A.D.1500, Anatolia (central Turkey) was the center of the world’s civilization. Turkey is known for its handicrafts, cuisine, music, and Hittite, Seljuk, Roman, Byzantine, and Ottoman influences.
Middle East Technical University (METU), Ankara

www.metu.edu.tr  Formal University-level Collaborative Agreement with USF

Established in 1956, METU is one of the most competitive public universities in Turkey emphasizing Engineering and Natural Sciences. The University maintains excellent core facilities and equipment. All coursework is taught in English. METU has a formal MOU with USF for faculty and student collaboration and exchange.

Academic Units (Undergraduate and Graduate programs)

Architecture: Architecture, City and Regional Planning, Industrial Design

Arts and Sciences: Biology, Chemistry, History, Mathematics, Molecular Biology and Genetics, Philosophy, Physics, Psychology, Sociology, and Statistics

Economic and Administrative Sciences: Business Administration, Economics, International Relations, Political Science, Public Administration


Engineering: Aerospace, Chemical, Civil, Computer, Electrical and Electronics, Environmental, Food, Geological, Industrial, Mechanical, Metallurgical and Materials, Mining, and Petroleum and Natural Gas

Hacettepe University, Ankara  
www.hacettepe.edu.tr/english/  

Formal University-level Agreement with USF

Hacettepe is a top-tier public university with a Medical School and Health Sciences programs, Dentistry, Pharmacy, and Schools/Departments in social sciences, humanities, education, engineering, natural sciences, fine arts, and is the home of the Ankara State Conservatory. The University maintains state-of-the-art research labs and centers. Hacettepe has a formal MOU with USF.

**Academic Units (Undergraduate and Graduate programs)**

School of Dentistry; School of Medicine; School of Pharmacy

Communication: Communication Sciences; Radio, Television, and Cinema

Economic and Administrative Sciences: Business Administration, Economics, Family and Consumer Sciences, Health Administration, International Relations, Political Science, Public Administration, Public Finance, Social Work

Education: Instructional Technology, Educational Sciences, Elementary Education, Foreign Language Education, and Secondary Science and Mathematics Education

Engineering: Chemical, Computer, Electrical and Electronics, Environmental, Food, Geodesy and Photogrammetry, Geological/Hydrogeological, Industrial, Mechanical, Mining, and Nuclear

Fine Arts: Ceramics, Graphic Design, Interior Architecture and Environmental Design, Painting, and Sculpture

Health Sciences: Nutrition and Diet, Child Development, Physical Therapy and Rehabilitation, Nursing

School of Law

Letters: American Culture and Literature, Anthropology, Archaeology, Art History, Foreign Languages including Translation and Interpretation, History, Information Management, Philosophy, Psychology, Sociology, Turkish Language and Literature

Science: Biology, Chemistry, Mathematics, and Statistics

School of Sports Sciences and Technology
Bilkent University, Ankara
www.bilkent.edu.tr

Bilkent is the first private, nonprofit university established in Turkey (1984). The University has established itself as a major center for research and teaching and serves approximately 11,000 students. Courses across the curriculum are taught in English.

Academic Units (Undergraduate and Graduate programs)


Business Administration: Management

Economic and Administrative Sciences: Economics, History, International Relations, Political Science, and Psychology

Education: Instructional Technology, Management, Instruction, Physical Education

Engineering: Computer, Electrical and Electronics, Industrial, and Mechanical

Humanities and Letters: American Culture and Literature, Archaeology, English Language and Literature, Philosophy, Psychology, Sociology, Turkish Literature

Music and Performing Arts: Music, and Performing Arts

School of Law

Science: Biology (Molecular and Genetics), Chemistry, Mathematics, and Physics
Bogazici (Bosphorus) University, Istanbul

http://www.boun.edu.tr/index_eng.html and www.summer.boun.edu.tr

The premier public university in Turkey. Originally established as Robert College—the oldest American college outside of the U.S. Boasts a highly international student body. Excellent undergraduate and graduate programs in Social Sciences, Natural Sciences, Engineering, Psychology and Education. All courses taught in English.

**Academic Units:**

**Arts and Sciences:** Chemistry; History; Mathematics; Molecular Biology and Genetics; Philosophy; Physics; Psychology; Sociology; Translation and Interpretation Studies; Turkish Language and Literature; and Western Languages.

**Economics and Administrative Sciences:** Economics; Management; Political Science, and International Relations.

**Education:** Computer Education and Educational Technology; Educational Sciences; Foreign Language Education; Primary Education; and Secondary School Science and Mathematics Education.

**Engineering:** Chemical; Civil; Computer; Electrical and Electronics; Industrial; and Mechanical.

**Fine Arts:** Film Studies and Performance Arts

**Graduate Degrees:**
Science and Engineering Institute: MA and PhD
Social Sciences Institute: MA and PhD

**Graduate Research Institutes:**
Environmental Sciences Institute
Bio-Medical Engineering Institute
Kandilli Observatory and Earthquake Research Institute
Bahcesehir University, Instanbul

http://english.bahcesehir.edu.tr/

Private, nonprofit university founded in 1998 with a high quality research faculty and a student body that is very similar in academic caliber to the USF student population. The University is home to the Institute of Science and the Institute of Social Sciences. Most courses taught in English.

Academic Units:

Arts and Sciences: Mathematics; Computer Science; American Culture and Literature; Sociology; Psychology.

Communication: Visual Arts; Public Relations; Advertising; Film and TV; Journalism; Photography and Video.

Economics and Administrative Sciences: Economics; Business Administration; Political Science and International Relations; International Trade

Engineering: Computer; Electrical; Industrial; Mechanical; Software; Environmental; Energy Systems.

Architecture and Design: Interior Architecture; Environmental Planning; Architecture; Industrial Products Design.

School of Law

Graduate School of Natural and Applied Sciences

Graduate School of Social Sciences
Fatih University, Istanbul

http://www.fatih.edu.tr

Private university founded in 1992. The University is well established with approximately 8,000 undergraduate students and 12,000 graduate scholars and roughly 1,000 international students during any academic year. In addition to more than 80 research laboratory facilities, the University founded the Technology Development Center to improve University-industry relationships and to coordinate research development with the private sector. Most courses taught in English.

**Academic Units:**

**Arts and Sciences:** American Culture; Biology; Geography; Chinese Language and Literature; Philosophy; Physics; English Language; Spanish Language; Chemistry; Mathematics; Psychology; Russian Language and Literature; Sociology; History.

**Economics and Administrative Sciences:** Economics, Business Management; Public Administration; Political Science; and International Relations.

**Education:** English Language and Teaching; Psychological Counseling and Guidance.

**Engineering:** Computer; Environmental; Electrical; Industrial; Biomedical and Genetics.

**School of Nursing**

**College of Medicine**

**Graduate Programs (MA and PhD):**

Engineering (all disciplines)

Natural Sciences (biology; chemistry, mathematics, and physics)

Social Sciences (geography/GIS; economics, MBA, psychology, sociology, political science, public administration, history, philosophy, comparative literature)
Izmir Institute of Technology, Izmir

http://english.iyte.edu.tr/

High quality Research Institute founded in 1992. The campus is located on a beautiful stretch of the Aegean coast just outside the city of Izmir. Research centers include: The Center for Material Research; the Biotechnology and Bioengineering Research Center; the Food Safety Research Center; the Geothermal Energy Research Center; and the Izmir Technology Development Zone, a science and research development park. Most courses are taught in English; emphasis is on research and graduate instruction.

Undergraduate Academic Units:

Natural Sciences: Chemistry; Molecular Biology; Physics

Engineering: Chemical; Computer; Electrical and Electronic; Mechanical

Architecture: Architecture; City and Regional Planning

Interdisciplinary Graduate Programs:

Biotechnology and Bioengineering

Energy Engineering

Environmental Engineering

Materials Science and Engineering

Graduate (MA and PhD) Programs: Architecture; City Planning; Engineering (chemical, civil, computer, electrical, food, industrial design, mechanical, water resources); Natural Sciences (all disciplines).
Gediz University, Izmir

www.gediz.edu.tr

Recently established private university (2009-2010) located in Izmir, or Smyrna, the third largest city in Turkey. Izmir is located along the Agean coastline and near to many of the region’s oldest historical sites. A new university, Gediz is currently offering undergraduate programs and plans to add graduate courses and degrees as the university grows.

**Academic Units:**

**Arts and Sciences:** Psychology; Turkish Language and Literature.

**Economics and Administrative Sciences:** Economics; Business Management; International Trade and Marketing; Public Administration; Political Science, and International Relations.

**Architecture and Engineering:** Architecture; Interior Architecture; Industrial Engineering; Computer, Electrical; Mechanical; and Civil.

The University plans to build separate research facilities for nanotechnology and for system simulation/system engineering. Engineering faculty are engaged in a number of projects regarding robotics technology and clean energy enterprises (including hydrogen energy powered automobiles).

Gediz University is developing a technology incubator connected to the Izmir trade zone. The university has strong ties to the business community and is interested in promoting partnerships between business and the academic community.
Mevlana (Rumi) University, Konya, Central Turkey

www.mevlana.edu.tr

http://www.mevlana.edu.tr/dokuman/Mevlana-Universitesien.pdf

Recently established private university in its first year of operation 2010-11. The University is developing undergraduate and graduate programs in the academic units listed below. All courses are taught in English.

Plans to feature engineering, health sciences and a state-of-the-art medical school and research facility.

**Academic Units:**

**Business:** Administration; Finance; Management

**Education:** Early Childhood Education; English Language; Elementary Mathematics; Psychological Counseling; Administration.

**Engineering:** Computer Science; Electrical; Mechanical.

**School of Pharmacy**

**Medicine and Health Sciences:** The University has initiated a medical program including pharmacy studies, nursing, undergraduate health sciences, and a traditional medical school. A state-of-the-art teaching hospital and research facility are planned.

**Fine Arts/Culture:** The University will offer a Turkish culture program including dance, traditional instruments, watercolor painting, - such a program might be of interest to Fine Arts faculty and students, or as a study abroad program.
Meliksah University, Kayseri (Central Turkey)

[www.meliksah.edu.tr](http://www.meliksah.edu.tr)  *Formal University-level Collaborative Agreement with USF*

Recently established private research university. USF has an international exchange (MOU) agreement with Meliksah and the Meliksah University leadership is very interested in a robust partnership with USF including faculty research collaboration and student exchange. The University is in the process of implementing undergraduate and graduate programs in the academic units listed below. As the University grows, additional academic units are planned. All courses are taught in English.

**Academic Units (undergraduate and graduate):**

**Arts and Sciences:** Mathematics; Natural Sciences; Psychology; English Language.

**Economics and Administrative Sciences:** Business Administration; Management; International Trade; Political Science; International Relations. The University is considering establishing a Middle East/Central Asia Research Center.

**Engineering:** Mechanical; Electrical; Computer Science; Industrial Design. Although a relatively new “college” within the University, the engineering faculty has received over $1 million in Turkish grants for research.