EMU Research Newsletter is a quarterly publication intended to keep its readers updated on the research activities held at the university and to contribute to the mission of the Research Advisory Board towards promoting a research culture at the EMU. The data presented in the newsletter includes the material submitted by faculty / school members only.

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Dr. Senih Çavuşoğlu

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Dear Colleagues,

In this issue, I wanted to put forth some information about our University's research initiative and the FP7. The Framework Programmes are the European Union's main instruments for funding research and development activities and they have been implemented since 1984 in five-year periods. The current Framework Programme (FP6) will be running up to the end of 2006, and the next one will be fully operational as of 1 January 2007, completing in 2013. This new programme, FP7, is designed to build on the achievements of its predecessor towards the creation of the European Research Area, and further the development of the knowledge economy and society of Europe.

Lisbon Agenda of EU, launched in 2000, calls for "a new strategic goal for the next decade: to become the most competitive and dynamic knowledge-based economy in the world capable of sustainable economic growth with more and better jobs and greater social cohesion". The Seventh Framework Programme (FP7) is one of the most important initiatives associated to the Lisbon agenda for growth and competitiveness along with: A new Competitiveness and Innovation Framework Programme, Education and Training Programmes, and Structural and Cohesion Funds for regional convergence and competitiveness.

The FP7 is built on the central importance of research to a 'knowledge triangle', and its new budget will be 72 billion 726 million Euros. The main focus within the FP7 will be to establish links between science, research, and knowledge; integration at international corporation, and facilitation of financing aimed at fostering investment in research. Significant emphasis is put on research themes rather than on instruments, and its operation in implementation. A European Research Council will be established in order to fund the scientific activities in Europe, and it is believed that the FP7 will enhance the dynamism, creativity and excellence of European research at the frontier of knowledge in all scientific and technological fields, including engineering, socio-economic sciences and the humanities. Since Lisbon Agenda, EU with all its institutions has been aiming at enhancing excellence of research and scientific activities, because it is estimated that if any initiatives are not taken, the EU would lose all its advantages in science against the US and Japan.

In conjunction with its current memberships in international higher education associations, EMU firmly aims at establishing more affiliations, and taking an active part in the international university network, and to be an equal member of international university associations. In regard to our "aiming for the peak of quality", all our efforts address a number of objectives such as creating high quality human resources, disseminating scientific discovery and advanced knowledge. In this sense, we as EMU should attempt to utilize the FP7 to further our University's research goals. The Frame Programme will help us focus not only advanced scientific researches but also establish links between development, economic prosperity and growth. It is obvious that the FP7 will provide various opportunities both in academic field and economic growth. Higher education is the primary medium of establishing economic prosperity and social welfare as well as competing in the global economy for Northern Cyprus. Higher education can also provide the platform for facilitating the removal of the political, economic, and cultural isolation felt so deeply in our country. Education is a basic human right and through education we can integrate with the global world system.

EMU’s efforts to become a part of the international higher education
network and to have access to
global world and higher education at
international level will continue. This
is an essential activity for all higher
education institutions, and we
aspire that our students and staff of
all backgrounds will establish strong
friendships, partnerships, and
corporation alongside cultivating
leadership skills and technical
expertise with their counterparts
overseas.

More than half the total FP7 budget
will be devoted to supporting
cooperation between universities,
industry, research centers and
public authorities in order to gain
leadership in key scientific and
technology areas. Support for
training, mobility and careers
development through reinforced
‘Marie Curie actions’ will aim to
develop and strengthen the human
resources for European research.
EMU aims at being a part of this
corporation and mobility network.
Even though EMU is facing a
number of obstacles and challenges
(both from the political situation and
isolation of the Northern Cyprus,
and interferences from the
institutions and the government
of South Cyprus), as a European
institution, we are determined to find
our rightful place in FP7.

Our attempts to take part in
Erasmus/Socrates Projects are
under the way. It is certain that this
process is tough, and requires hard
work and much effort. Although this
might take some time and may not
move as fast as we like, we are
confident that we will prevail. With
this belief, we have established a
FP7 Project Development Office. In
order to benefit from the FP7, what
we have to do is to prepare a
number of serious research and
scientific project proposals. In the
light of motto “aiming at the peak of
quality”, EMU is capable of
achieving this goal.

I strongly believe our efforts towards
the seventh Framework Programme
and Erasmus/Socrates will make
everous contribution to our
campus, our students and teaching
staff. It will also facilitate social
development by increasing
awareness in R&D, and hence
provide service to our community.

Prof. Dr. Halil Güven
### February 2006 Conference Funding

In the first quarter of 2006, 16 faculty/school members and one research assistant were provided conference funding amounting to a total of USD 19,500 for participation in various conferences in many countries, including Turkey, Italy, France, Malaysia, the USA, Japan, Thailand, Indonesia, Austria, and the UK.

### Ministry of Education and Culture Awards

Scientific Activities that are supported by the Higher Education Awards of the Ministry of Education in 2005-2006 are as follows: 1

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Title</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mürüde Çelik (Civil Engineering)</td>
<td>Project Title: Ductile and Earthquake Resistant Behaviour of Beam-to-column Connections in Steel Frames</td>
<td>10,289 YTL</td>
</tr>
<tr>
<td>Naciye Doratlı (Architecture)</td>
<td>Project Title: International Summer School, 19-30 June 2006</td>
<td>7,143 YTL</td>
</tr>
<tr>
<td>Erzat Erdil (Electrical and Electronic Engineering)</td>
<td>Project Title: Development of on-line alumni tracking system to analyze response by employers and graduates to questionnaire designed to search for effectiveness of our teaching program as requested by ABET 2000 criteria</td>
<td>2,857 YTL</td>
</tr>
<tr>
<td>Majid Hashemipour (Mechanical Engineering)</td>
<td>Project Title: Development of Virtual Reality-Based Flexible Manufacturing System Design and Analysis Systems for Small to Medium size Enterprises</td>
<td>10,500 YTL</td>
</tr>
<tr>
<td>fiebnem Hofkara (Architecture)</td>
<td>Project Title: Project for the Revitalization of Dipkarpaz Village</td>
<td>10,643 YTL</td>
</tr>
<tr>
<td>Naciye Kunt (English Language Teaching)</td>
<td>Project Title: The 2nd International ELT Conference</td>
<td>7,143 YTL</td>
</tr>
<tr>
<td>Uwe Müller (Archaeology and Art History)</td>
<td>Project Title: Kaleburnu-Kraltepe / Galinoporni-Vasili: Cypriot-German Cooperation for the Interdisciplinary Investigation of a New Late Bronze Age Regional Centre in Cyprus</td>
<td>37,500 YTL</td>
</tr>
</tbody>
</table>

1 30% of these funds are covered by the EMU research funds.
Filiz Saro¤lu (Mechanical Engineering)

Project Title: Image Analysis of The Microstructure of a Particulate Reinforced Aluminum Matrix Composite
Award: 13,000 YTL

Netice Yıldız (Architecture)

Project Title: Catalogue of the Illuminated Manuscripts and Bookbindings in the TRNC Collections
Award: 6,500 YTL

The Energy Research Centre (ERC) of the Eastern Mediterranean University (EMU), organized a panel session entitled “Short Term Energy Investment Policies for North Cyprus” on 28th of January in the conference hall of the Cyprus Turkish Medical Association. Guest speakers were Mr. Ahmet Hüdao¤lu, Chairman of the Executive Board of Cyprus Turkish Electricity Board, KIB-TEK, Mehmet Salih Gürkan, Chief Engineer of the Power Plants and Martyn Osborne, Project Manager of the Resource Efficiency Achievement Project. Asst. Prof. Dr. U¤ur Atikol, Director of ERC, chaired the panel session.

Prof. Dr. Halil Güven, Rector of EMU, delivered the opening speech where he expressed the need to have control over the demand and supply of energy.

Mr. Hüdao¤lu said that the present problems arise from a lack of understanding of the technical problems by politicians. He said “due to this lack of understanding, there is a shortage of proper planning of energy issues.”

Mr. Gürkan pointed out that there is a need of a SCADA system and a new load distribution centre in order to be able to control the power contributions of each power plant to the main system. He also said that in the near future maximum peak demand will be determined by the summer peak demand due to the rise in air conditioning load.

Mr. Osborne emphasized the need of avoiding electricity cuts as manufacturers experience many problems, which leads to loss of time and money for them. He said that the demand must be reduced to be in balance with the supply. He added that according to his experience the electric tariffs are lower than they should be.
Arts and Humanities, Social Science, and Science Citation Indexed Publications

Arts and Sciences


Business and Economics


Communication


Engineering


Computing and Technology


Tourism and Hospitality Management


Books


Chapters in Edited Books

Tourism and Hospitality Management


Arts and Sciences


Orta Doğu Teknik Üniversitesi, Ankara, Turkey, 7-9 December 2005.
Senih ÇAVUŞOĞLU participated in an exhibition (curated by Ümit ıncan) against war called “Powerlessness” (Kudret-sizilik).

The exhibition was organized, in memory of ‹hsan Ali, by the Cyprus Art Association, Famagusta, and took place at Twin Churches located in the walled city of Famagusta, on 3-13 February 2006. The participating artists presented their works in mixed media, video art, digital prints, visual installations and sculptures.

Arts and Sciences

Shane Fage and Aslı Giray organized and participated in a Photography Exhibition at the EMU Library Exhibition Hall. The exhibition was opened by Assist. Prof. Dr. Samil Erdogan, Advisor to the Rector for Student Affairs, on 19 January 2006.
Architecture

Naciye Doratlı served on the TRNC CULTURE ART ASSEMBLY - ANTIQUITIES COUNCIL (organized by the Ministry Education and Culture) during the preparation period between February - April 2006, and on the Culture Art Assembly, 4-7 April 2006, as the Chair of the Committee for Planning, Architecture and Antiquities.

Derya Oktay served on the TRNC CULTURE ART ASSEMBLY - ANTIQUITIES COUNCIL (organized by the Ministry Education and Culture) during the preparation period between February - April 2006, and on the Culture Art Assembly, 4-7 April 2006, as the Vice Chair of the ANTIQUITIES COUNCIL.

Derya Oktay chaired the first and second (final) stage of the Architectural Design Competition Juries organized jointly by the Chamber of Architects and the Chamber of Commerce and Industry of Bolu, Turkey, on 15-17 January, and 15-16 March 2006. The competition subject was a new building complex for the Chamber of Commerce and Industry (Bolu Ticaret ve Sanayi Odası Hizmet Kompleksi), which is going to be a prestigious building for Bolu and to be implemented soon. The jury included academics from different universities in Turkey.

Zehra Öngül won first honourable mention prize and Cem Kara won third honourable mention prize in a photography competition. The theme of the competition was “Konut ve İnsan”. It was organized by Cyprus Turkish Engineers and Architects Union, Chamber of Architects.

Banu Tevfikler Çavuşlu, Afet Çeliker, and Didem Çelik designed the Social Club for the Union of Medical Doctors Headquarters, in Nicosia. Their design revealed the contemporary and futuristic vision of the doctors.

Banu Tevfikler Çavuşlu and Senih Çavuşlu were commissioned to design a “donation box” for the SOS Children’s Village, North Cyprus. The main idea for the design was, while trying to get the public involve in the improvement of living conditions of the children of SOS, to emphasize the strong and trustworthy structure of the SOS association.

Each designer received a thank you plaque on the opening day of the center.

Articles in Professional Bulletins


Encyclopedia Entries


Gülınanç Barkay spent the Fall Semester of 2005-2006 in Connecticut, USA as an exchange scholar, teaching at Central Connecticut State University (CCSU). She taught two courses in the Department of History on the History of the Ottoman Empire and the History of Modern Middle East. During her stay she organized a conference on the Cyprus Issue in Washington DC on the 2nd of November, 2005. This conference was funded by TUSIAD and Institute of Turkish Studies in Georgetown University. She conducted her research at CCSU. The facilities there helped with initiating an edited book project entitled, "Bureaucratic Elites of the Modern Middle East" (Invited for review by Indiana University Press).

Michael Walsh spent the Fall Semester of 2005-06 as an exchange scholar at EMU’s twin university, Central Connecticut State University, in the USA, where he taught courses on British Art and Italian Renaissance Art and Architecture. In addition, the exchange program allowed him to take up a position as Visiting Research Collaborator at Princeton University, where the following publications were completed:

**Arts and Sciences**


Later, as the recipient of the Harry Ransom Humanities Research Award, he was in residence at the University of Texas at Austin (January 2006) which enabled him to finish the first draft of the biography: Hanging a Rebel: The Life and Work of CRW Nevinson (invited for review by WW Norton and also Lutterworth Press).

The facilities there also helped with writing the Introduction to a forthcoming edited collection entitled: Avant Garde and Avant Guerre: London, Modernism and 1914 (Invited for review by Cambridge University Press and Ashgate).

**Book Reviews**


**Translation**

In the period of 1 December 2005 - 28 February 2006, EMU hosted many lectures, seminars and panels, which featured prominent participants from North Cyprus and other countries. Some of these events are as follows:

**Faculty of Education**

**Lecture:** "Bilgi, Toplum ve Eğitim"

Assoc. Prof. Dr. Hüseyin Uzunboylu
Near East University

**Faculty of Communication**

**Lecture:** "Doğu Suffolk'ta Fetih, Kolonileflme ve Kültürel değişimler"

Çağdaş Lara Çelebi
Ph.D. candidate at University of Athens

**Faculty of Engineering**

**Lecture:** "KKTC'deki su kaynakları ve sorunlar"

Mustafa Alkaravalı
Director of Geology and Mine Office

**Faculty of Law**

**Lecture:** "Yeni Türk Ceza Kanununun temel sorunlar"

Assoc. Prof. Dr. Türkan Sancar
Ankara University

**Lecture:** "KKTC Hukukunda Askeri Mahkemeler"

Öner fierifoğlu
Lawyer
Famagusta Bar Association

**Department of Archaeology and Art History**

**Lecture:** "Pharos foundation"

Garo Keheyan
Director

**Department of Banking and Finance**

**Lecture:** "The North Cyprus Economy in the light of the latest financial and economic developments"

Ersin Tatar
Charter Accountant

**Department of Computer Engineering**

**Lecture:** "Bilgisayarların günlük yaşamlarına olan etkisi"

Asst. Prof. Dr. Doğan Haktanır
Electric and Electronics Engineering Department
Near East University

**Department of Electrical and Electronic Engineering**

**Lecture:** "Satellite Communications case study: BILSAT - 1"

Ali Telli
TUBITAK BILTEN Satellite Technologies Group

**Lecture:** "GSM: Telsiz Devrimi"

Gürkan Sarıoğlu
General Manager
KKTCCELL
Department of English Language and Education

Lecture: "Dil ve Gülmece"

Prof. Dr. Ünsal Özünlü
Chair of English Language Teaching
International Cyprus University

Lecture: "Jazz & American Culture"

Dr. Peter Rutkoff
American Studies, Kenyon College, USA

Department of Interior Architecture

Lecture: "Mağusa Antolojisi"

Martin Bayens
Chair of Department of Design

Department of International Relations

Lecture: "Kibrıs: Yeni bir çökmaza girerken"

Asst. Prof. Dr. Tim Potier
International Law and Human Rights Department
Intercollege

Department of Mathematics

Lecture: "KKTC’deki Süre dönülebilir Su Kaynakları Yönetimi"

Dr. Mehmet Necdet
Geology and Mine Office

Department of Mechanical Engineering

Lecture: "Yeni Dizel Partikül Filtresi Teknolojisi"

Seçkin Durmaz
Citroen Company
ASEL Engineering Ltd.

Department of English Language and Humanities

Lecture: "Jazz & American Culture"

Dr. Peter Rutkoff
American Studies, Kenyon College, USA

Department of Political Sciences

Lecture: "Türkiye’de Kamu Yönetimi Reformu"

Assoc. Prof. Dr. Ahmet Alpay Dikmen
Faculty of Political Sciences
Ankara University

Department of Interior Architecture

Lecture: "Mağusa Antolojisi"

Martin Bayens
Chair of Department of Design

School of Computing and Technology

Lecture: "KKTC’deki E-ticaret"

İlhami Kocabıyık
Director of Cybase Ltd.

Department of Mathematics

Lecture: "KKTC’deki Süre dönülebilir Su Kaynakları Yönetimi"

Dr. Mehmet Necdet
Geology and Mine Office

Physiological Counselling Guidance and Research Centre

Lecture: "Normal Reading and Dysexia in Turkish"

Dr. İlhan Raman
School of Health and Social Sciences
Middlesex University
United Kingdom

Department of International Relations

Lecture: "Kibrıs: Yeni bir çökmaza girerken"

Asst. Prof. Dr. Tim Potier
International Law and Human Rights Department
Intercollege

Centre for Women’s Studies

Lecture: "Toplumsal Uzlaflıda Kadının Rolü"

Canan Öztoprak
Minister of Education and Culture
The following students successfully completed their graduation requirements for the Master’s and Ph.D. degrees in the period of 1 December - 28 February 2006. The students’ thesis titles are also listed below.

**PhD**

**POLAT HANÇER**
Thermal Insulations of Roofs for Warm Climates.

**MEHMET AL‹ TUT**

**Master of Architecture**

**NOOR CHOLIS IDHAM**

**N‹HAN ARSEVEN**
Ornamentations of Traditional Domestic Doors in North Cyprus.

**EL‹F CEMRE BAKKALO⁄LU**
A Quest on Flexibility Criteria in the Design of Residential Interior Spaces.

**SERTAÇ ‹LTER**

**Master of Business and Administration**

**GÖNÜL ERÖREN**
Violence, Mistrust and the Denial of Self-Determination: A Historical Study of the Palestinian Question on the Road to Oslo.

**MOHAMED AHMED SESAY**
The Expansion of a Pineapple Plantation in Ghana.

**BLERINA MOCAJ**
Efficiency of Pension Funds management in OECD Countries: Registered Retirement Savings Plan in Canada.

**KESJANA HAL‹L‹**
Risk Management in North Cyprus Banking Sector.

**BAKHT‹YOR TURAEV**
The Banking System of Russian Federation and Recent Reforms of Russian Banking System.

**FEVZ‹ KIZILKILINÇ**
Financial and Economic Feasibility Study of Kâlecik Port Project in North Cyprus.

**SETH NII AYI QUARCOO**
An Evaluation of the Risks and Rewards of Debit and Credit Cards in the Ghanaian Banking Industry.

**SERGE JOSUE AZONHE**
Micro Finance and Poverty in Benin.

**LULU BADDAR**
Conflicts in the Work-Family Interface and Job Stress: An Empirical Study of Frontline Employees in the Jordanian Hotel Industry.

**AL‹ BAV‹K**
The Effects of Nepotism on Human Resource Practices, Job Satisfaction, Quitting Intention and Negative Word of Mouth: The Case of Hotels in Northern Cyprus.

**AMIR KARIM SADREDINI**
Exploration of Customer-Based Brand Equity Components: An Empirical Study on 5 Star Hotels in TRNC.

**‹FFET ERCENAP**
Nepotism and Favoritism in the Banking Industry: Some Evidence from Northern Cyprus.
Master of Education

FATMA KAL ÇA/ IN
How Socio-Economic Status of Kindergarten Children Affects Their Number Concept Development in Turkish Republic of Northern Cyprus.

Master of Science

ABDULHAKIM ESSARI
Effect of Aging on Mechanical Properties of Al-8Si-8Fe-1.4V/SiCp Composites

Z‹YA ED‹Z GÜRSAN
An Expert Advisory System for Primary School Children’s Product Design

AMJAD WAJIH SANDOUKA
Novel Hardware-Oriented Algorithms for TDOA Positioning Technique in Cellular Networks

FAHR‹ ASVARO⁄LU
Compression and Affine Transforms Resilient Watermarking.

HAMED FARAHANI MANESH

G‹ZEM OLGU
Integrating Disparate Ontologies through Semantically Splitting Multiword Elements.

EM‹N EMRE LAPACI
Implementation of an Ordering System by Using Pocket PCs.

SYED ZAHEER A. MUJTABA
Gravitational N-Body Simulator.

YOUNESS SHARIFI
Hydro-Climatological Variations and Trends in TRNC.

CERAN BAYRAMER
A Hardware-Oriented Algorithm for Angle of Arrival Positioning Technique in Cellular Networks.

•EK KASABO⁄ LU
Conceptual Understandings of the Students in Atom Related Topics.

EM‹NE ÖZER‹N
Combined Additive and Multiplicative Splitting for the Solution of High Dimension Convection Diffusion Equation.
Teaching staff at EMU are invited to send any relevant information to be included in subsequent newsletters. All material submitted should be in English and sent to the following e-mail address:

research.newsletter@emu.edu.tr

All visual materials submitted should be in .jpg, .jpeg,.gif, and .tiff format and high quality.

Research projects
Commissioned research projects preferred. Brief description is required.

Research Activities

Books
Expert, A.N., A Book He Wrote, His Publisher, Place, 2005.

Chapters/Articles in an edited book
Expert, A.N., "Some Related Chapter I Wrote", in A Book He Wrote (Ed: His Name), His Publisher, Place, 2005, pp. 10-30.

Refereed journal article for one author

Refereed journal article for two and more authors


Refereed Conference Presentations

Invited Lectures / Seminars
Author, I.M., "Some Related Lecture/Seminar I gave", Some Organization, Place, Date.

Speakers / Seminars / Symposia
Brief information (related photo enclosed - if available).

Exhibitions
Brief information (related photo enclosed - if available).

Performances
Brief information (related photo enclosed - if available).

Miscellaneous
In line with the above information.

Upcoming Conferences at EMU
Brief information (related poster - if available)