

Research & Development Centres

ATATÜRK RESEARCH CENTRE

The main objective of the Centre is to disseminate information on the Reforms of Atatürk primarily to students receiving education at EMU and to every citizen of the Turkish Republic of Northern Cyprus, to train individuals aware of Atatürk's teachings, to organize special events and commemoration days, and to help the researchers interested in the field by establishing archives and libraries.

The Centre:

- Offers the History of Atatürk's Reforms to all Turkish nationals receiving education at EMU

- Conducts research, and supports and participates in research activities

- Cooperates and collaborates with national and international institutions of similar structure

- Publishes books, journals, projects to disseminate Atatürk's teachings

- Organizes special commemoration days

The Centre's main philosophy focuses on such modern values as the ongoing demand for democracy among all the nations, independence of all nations, science and technology, fine arts, cultural and national identity, freedom of belief and thought, collaboration and peace.

BUILDING SCIENCES RESEARCH CENTRE (BSRC)

The Building Sciences Research Centre was established in 2001 with 5 members to carry out research work in the building sciences and related fields. The Centre also enhances the research and development in building sciences in North Cyprus and helps to identify local problems and find solutions. BSRC will improve building sciences related applications by introducing new materials and techniques to the local industry. This will bring about an increase in awareness amongst professionals and the general public regarding the importance of correct building science applications and its impact on society.

Technical Activities:

1. Repair work on Teachers Training Academy (Ministry of Education) together with specifications.
2. Technical report for the buildings of Education Centre for Disabled Children (Clover Project-Ministry of Health).
3. Geotechnical report for Faculty of Medicine in Lefkoşa/Göçmenköy.
4. Technical report (materials and structures) for Lefkoşa Theatre Building which was damaged by fire in 1999.

Academic Activities

1. Mediterranean Workshop on Geotechnical Engineering, August 2001. Seminars were given by Dr. D G Toll (University of Durham/UK) and Dr. D M Wood (University of Bristol/UK).
2. Mediterranean Workshop 2002: Assessment and Retrofitting of RC Structures, September 2002. Seminars were given by Dr. S. Matthews (Building Research establishment/UK), Dr. Ö. Eren, Dr. S. Şensoy, and Dr. H. Bilsel.

Research Activities/Publications

1. H. Bilsel, M. Çelikag, Ö. Eren and S. Şensoy, "Repairs to Teacher Training Academy RC Building in North Cyprus-Case Study" 7th International Conference on Inspection, Appraisal, Repairs and Maintenance of Buildings and Structures, 11-13 September 2001, Nottingham-Trent University Campus, United Kingdom.

THE CENTRE FOR CYPRUS STUDIES

The Centre for Cyprus Studies is an interdisciplinary research and public service establishment reporting to the Office of the President at EMU. It was established in 1995 with the objective of encouraging scholarly research on the cultural history and political problems of Cyprus. The Centre aims to provide an academic and intellectual forum on multiple aspects of Cyprus-related issues with an emphasis on social, cultural, historical, political and legal matters relevant to the past, present or future of the island of Cyprus. Fields of research supported by the Centre range from archaeology, anthropology and economics to history, linguistics and folklore.

FIELDS OF ACTIVITY

Developing documentation resources on Cyprus-related studies for the use of researchers

Organizing international and local conferences, panels, symposia and lectures to disseminate knowledge

Issuing the biannual Journal of Cyprus Studies, a refereed, international, interdisciplinary, bilingual publication

Encouraging and coordinating research projects

Fostering close contacts with other institutions involved in related research

THE CENTRE FOR **E**NVIRONMENTAL RESEARCH AND POLICY

The Centre for Environmental Research and Policy was established at Eastern Mediterranean University in 1995, and is officially responsible to the Office of the Rector. The purpose of the Centre is to provide the University, its staff and students, as well as the people of the surrounding community, with information, research studies and recommendations regarding the preservation and protection of our natural environment. The activities of the Centre are directed towards the development of policies for maintaining human well-being while protecting the flora and fauna of ecosystems surrounding public works, offices and dwellings, and historical sites. The Centre will study and monitor the development and utilization of sensitive ecological areas, both urban and rural, and make recommendations to the University and to the official or governmental organizations concerned for the preservation of natural resources and the protection of the environment from pollution.

The Centre also sees as its mission the development of cooperation between the University and official organizations, participation in the development and enforcement of policies for environmental protection both within the University and outside, the initiation by the University of research projects on environmental matters, and the education of students and the general public towards an informed environmental consciousness.

CENTRE FOR **S**TRATEGIC STUDIES (EMU-CSS)

Considering the past and present state of affairs, it has become indispensable to develop the ability and knowledge necessary for accurate and comprehensive analyses of the events and of the factors that have a determining influence on the issues concerning the island of Cyprus, which has occupied a very important geostrategic position throughout history.

It was decided that all the necessary preconditions and resources for conducting this type of analysis and investigation in an independent and impartial environment were present at EMU. Consequently, the EMU-CSS was established in the 2000-2001 academic year.

The objectives of EMU-CSS are;

To conduct research on all aspects of the international relations of the TRNC.

To undertake joint studies with other institutions in this field

To create a motivating and appropriate environment and pertinent resources for those wishing to do strategic research.

CENTRE FOR **T**OURISM RESEARCH

The Centre for Tourism Research was established at Eastern Mediterranean University in 2000 and reports directly to the Rector's Office. The purpose of the Centre is to support and carry out both academic and industry-wide tourism research activities on qualitative and quantitative bases and to make contributions to the development of tourism in the world and the Turkish Republic of Northern Cyprus. In light of this purpose, one of the outstanding activities of the Centre has focused upon the Eastern Mediterranean University Journal of Tourism Research (published bi-annually) in order to produce and publish studies which are generally lacking in the area of tourism and particularly in tourism management both in Turkey and the Turkish Republic Of Northern Cyprus. The other activities and interests of the Centre consist in academic cooperation with national and international tourism institutions, the foundation of a tourism archive, and the arrangement of congresses, seminars, and conferences.

CENTRE FOR **W**OMEN'S STUDIES

As part of its continuing commitment to research centres on campus, Eastern Mediterranean University established the Centre for Women's Studies in 1998. The Centre seeks to encourage research on women and their contributions to society, and to promote active learning and scholarship through conferences, talks and workshops. The Centre works to foster the well-being of women in all aspects of their lives. The Centre for Women's Studies serves to enhance the climate for women on the University campus, to advance the full and active participation of women students, staff and faculty who study or work at the University, while promoting campus and community conversations on the role of women in society and the world. The Centre accomplishes this mission by facilitating and coordinating programs and initiatives to promote the physical and psychological well-being of women. The Centre strives to promote a strong educational community in which women are supported, challenged and prepared to learn, lead, and serve.

The Centre activities include organization of the first International Conference on Women's Studies, talks, panels, rewarding women of distinction, reaching out to families in need, and research projects to diagnose the status of women in rural areas.

CONSTRUCTION MANAGEMENT RESEARCH & PRACTICE CENTRE (CMRPC)

The Construction Management and Research and Practice Centre was established at Eastern Mediterranean University in 1996 for the purpose of conducting scholarly research on topics related to "Construction Management" and provide professional services to the public and private sector of construction industry. The centre will act as a platform between the university and the construction industry for the exchange of ideas, technology and information in the area of project management, construction health and safety management, environmental management systems, and construction quality assurance. The centre aims at conducting regular seminars on computer-based project planning and scheduling, and contract management and project control.

Research Activities

Current research activities and interests include: automated cost estimating and scheduling, the effect of inflation on project planning, application of knowledge-based systems in construction management, productivity analysis of construction industry, computerized cost index, innovation in construction industry, life cycle costing, value management, total quality management in construction, construction health and safety management, computerized procurement management.

Professional services

CMRPC provides professional services to construction industries and employers in the following areas:

Preparation of project feasibility studies

Project bid preparation

Project planning and scheduling

Project monitoring (tracking)

Contract administration
Supervision

Preliminary and detailed cost estimating

Second opinions on structural supporting systems, external envelopes, waterproofing and dampness and the selection of materials

Value based project management, life cycle costing analysis.

ENDOWMENT AND PROJECT DEVELOPMENT CENTRE

The goal of AVFOP is to establish a continuous and permanent Primary Asset Fund through the acquisition of revenue from national and international research projects, donations for various causes. AVFOP promotes the university's research, information and technology production potential through various platforms. It enhances the relations between specialized academic personnel and academic departments and laboratories with industrial and public associations, with the aim of establishing opportunities where the university is in a position to administer national and internationally sponsored research projects, and to provide the necessary support to establish project groups.

FIELDS OF ACTIVITIES

By providing national and international projects to the university, the Centre allows for interested faculty members to administer and successfully participate in projects.

The Centre continuously informs EMU alumni of the research, information, and technology potential of the university, and solicits from them participation and the provision of material assistance to projects.

The Centre provides incentives for the academic staff to join in large-scale projects with public and industrial associations in synergy with TRNC techno-park companies.

The Centre seeks material support for projects from UNOPS, UNDP, and EU funds for the purpose of enhancing city and life quality in association/cooperation with local administrations.

ENERGY RESEARCH CENTRE

The Energy Research Centre is an interdisciplinary research and public service establishment of the Faculty of Engineering. It was established in January 1996 by the University's Board of Executives to promote and encourage research in all aspects of energy related research and to serve as the main energy research contact between the University, Industry and government. The Centre aims to provide facilities shared by researchers, to hold seminars and to disseminate information.

ACTIVITIES OF THE CENTRE

Solar energy research involving solar hot-water, solar heating and cooling, solar desalination of brackish and/or seawater, solar heat-pumps, and other studies towards the explanation of solar radiation.

Studies towards the integration of renewable and environmentally safe energy infrastructure.

Feasibility study of a medium-sized cooperation plant for the University.

Systematic energy analysis to establish the framework of an institutional and national energy conservation programme.

Observation of trends in technology and their energy-related implications.

Maintaining relationship with other regional and international energy research groups

EUROPEAN RESEARCH AND INFORMATION CENTRE (ERIC)

Since its foundation in 1995, the European Research and Information Centre provides a forum for debate and discussion, and brings information, analysis and resources to those interested in learning about the European Union. It is also involved in developing and promoting research on Europe, and establishing research networks. The Centre aims to

draw together experts on Europe from across the University and closely cooperate with other research centres in Europe. The Centre also helps EMU students, from different departments, in their projects related with the European Union. In particular, ERIC is interested in European integration at large, the concept of the European Union, and the EU's relations with Cyprus and Turkey.

Field of Activity

Establishing a European Documentation Centre at the EMU Library

Organizing conferences and workshops in conjunction with the Ari Movement

Establishing close links with the European research centres in Turkey

Works aiming at establishment of a corporate Think-Tank Group

Providing help to interested institutions for the fruitful use of the financial assistance to be provided by the European Union

I N F O R M A T I O N T E C H N O L O G I E S R E S E A R C H A N D D E V E L O P M E N T C E N T R E

The Information Technologies Research and Development Centre was established in order to provide advanced R&D facilities, carry out research and development, and to guide and collaborate activities within the broad field of the Information Technologies and Systems. The centre aims to stimulate inter-disciplinary and inter-departmental research within the university and to establish research and academic collaboration with industry in Information Technologies, both in the TRNC and with overseas, research and industrial partners through bilateral and international collaborative projects.

Current R&D activities and interests include: multimedia conferencing, distance learning, ISDN applications, fast network technologies, protocols and inter working, Internet information services and servers, LAN traffic measurement and characterization, and software engineering for CIM systems.

I N T E R N A T I O N A L C E N T R E F O R C O N T E M P O R A R Y M I D D L E - E A S T E R N S T U D I E S

The International Centre for Contemporary Middle-Eastern Studies (ICCMES) is an independent association of scholarly activity located at the Eastern Mediterranean University and sponsored by the International Association of Middle-Eastern Studies. It was established in 1996 to facilitate international communication among scholars working in the field of Middle-Eastern Studies and other disciplines studying regions contiguous to the Middle East, such as Near Eastern Studies, Southwest Asian Studies and Mediterranean Studies. The centre aims to foster academic cooperative efforts to understand the current social, economic and political dilemmas which have an impact on the region.

FIELD OF ACTIVITY

International Conferences for the presentation of original research in disciplines significant to the academic community at EMU and on themes relevant to the Middle East and its contiguous zones.

International Workshops for advanced training and consultation among experts in technical fields.

Scholar Residencies to facilitate collaborative research with EMU faculties and academicians.

Publications to disseminate scholarly work emanating from the centre's activities.

MANAGEMENT RESEARCH CENTRE

The Management Research Centre (MRC) was established in 2003 as an auxiliary of the Business Department at Eastern Mediterranean University. The mission of MRC is to produce and disseminate new information in the general area of business research, and in the specific areas of HRM, Marketing, Strategic Management, Accounting, Organizational Behaviour, Management Science, International Business, Economics, Sociology and regional surveys. MRC is managed and supported by Rector's Office and the professors of Business Department.

FIELD OF ACTIVITY

Organization of business-oriented conferences.

Bringing together management scholars from the region.

Publication of an academic business journal.

Open forum for local and international academics.

Establishment of a database consisting of management articles published in high-ranking academic journals.

Regional surveys on contemporary business related issues.

Statistical methods for data analysis in conducted surveys.

The provision and disseminating of general information about publications and presentations, regional surveys, and extensive related data for supplementary research.

EASTERN MEDITERRANEAN UNIVERSITY
PSYCHOLOGICAL COUNSELLING
GUIDANCE AND RESEARCH CENTRE
(EMU-PDRAM)

EMU-PDRAM is the first centre which has offered psychological counselling services in higher education in Northern Cyprus. The Centre was approved by the University Board on 4th November 1997 as a unit working in direct association with the Rector's Office. The aim of EMU-PDRAM is to help students become aware of their academic, social and psychological potential, make independent decisions, learn to take responsibility for decisions, and to become productive and mature individuals. EMU-PDRAM has a vision of increasing performance and developing cognitive and behavioural skills. Its mission is to make available counselling to the student population, and orientation programs for new students. EMU-PDRAM conducts psychological research projects that study certain aspects of student needs at EMU. Academic and non-academic departments generally use results obtained as a guide toward establishing student satisfaction and well-being on campus.

STUDENT PROJECT, DESIGN AND IMPLEMENTATION CENTRE
(PROMER)

EMU's Student Project, Design and Implementation Centre (PROMER) was established in 2003. The main objective of the centre is to provide an environment in which students may develop and transform their theoretical knowledge into practical applications. Further, we want our students to have creative abilities through involving career-based projects covering all steps of design and implementation. As a result, their practical experience will help them to solve problems in industrial companies.

In PROMER, students from Engineering, Architecture, Communication, and School of Computing and Technology are working in interdisciplinary projects. The successful projects may be transferred into applications in EMU TEKMER-based larger size projects.

FIELD OF ACTIVITY

Introduction of students to practical knowledge and skills.

The putting into practice of ideas resulting from research done by the students and faculty.

Multidisciplinary work.

Provision of more opportunities towards application to postgraduate students.

The channelling of results into the industry.

Provision of opportunities to those students who want to participate in practice-based international activities.

T E C H N O L O G Y D E V E L O P M E N T C E N T R E

The objective of EMU-Technology Development Centre is to promote the development of technology in the TRNC, the transfer of know-how and technology to the industry, and the motivation of the production of new technologies in cooperation with industrial and state institutions. It also aims to give financial, technical and administrative support to small and medium sized industrial enterprises in the TRNC in order that they may upgrade the technology of their production capabilities. Furthermore, Technology Development Centre encourages graduates of EMU to start high technology based firms by providing Research and Development facilities.

FIELDS OF ACTIVITY

Eight projects have been developed in the fields of Intelligent Traffic Control and Speed Detection Cameras, Computer-based Automation, High Frequency Induction Heating, Virtual Instrumentation, Measurement and Control, Biomedical Engineering and Computer Software Development, Access Security Systems using the i-button technology. From these projects, there have resulted ten technological products having commercial value, four Citation Indexed papers, and the publication of four International Conference papers, which describe the design and development of these products.

A joint venture between five Cyprus universities and the Cyprus Turkish Chamber of Industry is developing techno park in the TRNC.

A Technology Start-up Centre of 4600 m² and 40 offices is under construction on the EMU campus and will be completed by May 2005. In this building, R&D departments of high technology based firms as well as the spin-offs will find excellent communication, internet and laboratory facilities for their high-tech product development activities.

R E S E A R C H C E N T R E F O R W A T E R A N D M A R I N E S C I E N C E S

The Research Centre for Water and Marine Sciences is an interdisciplinary research and public service establishment of the Faculty of Engineering, and is directed by Prof Dr. Ali Gunyakti. It was established in April 1997 by the University's Boards of Executives to promote and encourage research in all aspects of fresh-water and seawater related research and to serve as the main contact between University, Government and Industry.

Projects under study: "Master planning of the national harbours and coastal areas"

Projects under preparation:

Study of natural water resources in detail and establishing criteria against pollution

Pilot project for fish breeding

Establishing an academic unit in EMU to make research and to provide know-how for local fishermen

Publication of articles in international and national journals

TRAFFIC EDUCATION AND RESEARCH CENTRE

Established in 1998 by the University's Board of Executives with the following mission:

Assist the foreign EMU students, academic and administrative staff to adapt the traffic rules and regulations in Turkish Republic of North Cyprus by offering educational seminars;

Conduct research, organize symposium, congress and conferences on traffic problem;

Increase the awareness of people living in North Cyprus about the importance of traffic;

Establish links with organizations both in North Cyprus and abroad, working on traffic safety

FIELD OF ACTIVITY

Traffic education at primary schools.

Proposal for the establishment of the National Traffic Safety Programme.

Performing road safety audit both on National road network and on EMU campus road network.

Collaboration with University of Texas at Austin, including technical visits in 2001 and 2003.

Conducting opinion survey of the travelling public throughout TRNC.

Conducting workshop on traffic engineering for practicing engineers.

Performed a joint public traffic safety campaign with state milk industries (KOOP SÜT).

Actively involved in the review of the traffic fines code of the government.

Established traffic simulation laboratory at EMU for undergraduate education.

Studies towards the incorporation of visual material in traffic safety education.

URBAN RESEARCH & DEVELOPMENT CENTRE

The Urban Research & Development Centre (URDC) is an organization devoted to research and public service on urban issues both locally and internationally. The URDC was established under the auspices of the Faculty of Architecture, Eastern Mediterranean University in June 1999 with the purpose of addressing the many problems of neglect and lack of awareness that exist in the urban environments of Cypriot towns and traditional settlements. The objectives of the Centre are to provide a forum for contributions to the quality of the built-up environment in order to promote sustainable urban settlements, particularly in Cyprus, to stimulate research on local urban and regional issues, and to disseminate knowledge through seminars.



RESEARCH/ACTIVITY INTERESTS

Urban design: theory and practice at local, regional and global levels and their reflections on education.

Development of planning and design strategies to prevent urban expansion and uncontrolled developments in newer parts of cities.

Urban renewal, conservation and revitalization: decay in old and historical urban environments; appreciation of the built resources through working on adaptive reuse of old and historical buildings and urban areas.

Planning and design of housing environments for sustainability.