NEW TOPIC LIST

FACULTY OF CIVIL ENGINEERING

Civil Engineering Programme

Biomass as a source of energy

Blended cements containing fly ashes as a construction material

Bridge stability

CFRP Laminates

Chemical and physical admixtures for concrete

Comparing cable-stayed bridges to suspension bridges

A comparison of concrete and steel bridges

Composite materials

Computers in civil engineering

Concrete pavements

Concrete roads/highways

Constructing earthquake resistant bridges

Construction of the pyramids in Egypt

Dams

Deformation of steel structures

Design of Bosphorus bridges

Earthquakes

The Fall of the Twin Towers

Geotextiles in Civil Engineering

Geosynthetics in civil engineering

GIS development

Global positioning system (GPS)

Heat insulation in construction

High performance concrete (HPC) in reinforced constructions

High-rise accommodation

Highway maintenance and rehabilitation

Immersed tunnels

Intelligent construction

Lightweight concrete

The Metro System

Plastic windows

Railways as a transportation tool

Ready mix concrete

Santiago Calatrava's bridges

Seismic design bridges

Self compacting concrete

Sick building syndrome

Skyscrapers

Soil investigation methods

Stadium design

Steel constructions

Suspension bridges

Steel in bridge constructions

Wooden structures

Geodesy and Photogrammetry Engineering Programme

Artificial satellites

Cyanide leaching process for extracting gold by Eurogold Mining Corporation Digital maps against tradional maps EDMs

Environmental Engineering Programme

Activated sludge process

Aerobic composting of municipal waste

Agricultural pesticides in soil and water environment

Bacteria in wastewater treatment

Disinfection of wastewater and water

Disposable nappies

Hydroelectric power for electricity generation

Marine pollution

Municipal solid waste composting

Nuclear power reactors

Organic pollutants

Pesticides

Recyclable solid waste material

Wastewater characterization

FACULTY OF ARCHITECTURE

Architecture Programme

Acoustic design in concert halls

Amorphous buildings

Appropriate colour combination usage

Archigram

Architect Sinan

Architectural propaganda

Architectural psychology

The architecture of Kengo Kuma

Artificial and natural light in hospital wards

Artificial lighting compared to daylighting

Ataturk Cultural Centre (AKM

Bauhaus educational system

Biennial

The built environment and its effects

Climate and architectural design

The Colosseum

Components of mosque structure

Daylighting

Deconstruction as architectural movement

Decoration in Islamic architecture

Design of Mustang

Design and construction of modern housing estates

Effects of colour on human psychology

Effects of commercial purposes on the design of skyscrapers

Effects of skyscrapers on city perspective

Ergonomy

Factory built houses

Famous women icons' effects on fashion

Feng Shui and building design

Frank Lloyd Wright

Function versus aesthetics

Function versus form

Gentrification

Glass in designing a house and its effects on human life

Great architectural failures - Yamasaki's 'Pruitt Igoe' and Mies Van de Rohe's skyscrapers

Gothic structures

Green architecture

Historical survey of Istanbul landmarks

Hyperface architecture

The importance of computer programs for the architect

The importance of directing the sound waves in room acoustics

The importance of right lighting

The importance of the sun in building design

Japanese style in housing

Le Corbusier

Leonardo da Vinci

Litracon

The Mausoleum at Halicarnassus

Medieval city architecture

Modernism

Organic architecture

Passive solar energy systems' advantages in buildings

Photography

Poetics of architecture

Portable architecture

Positive effects of post modernism on architecture

Prefabrication

Restoration

Richard Rogers

Santiago Calatrava's bridges

Solar houses

Sound as a part of construction business

Sustainable architecture

Takeo Andao's Architecture

Thermal insulation in buildings

Tokyo Skycity Project

Turkish Republic (architecture of)

Virtual architecture

Women's influence in architecture

Urban and Regional Planning Programme

Ecotourism

Effects of big cities on immigrants

Effects of lack of infrastructure on transportation

Effects of religion on urban design

Effects of urbanization on local climate

The Garden City Movement in England

Gated communities

Gentrification of Tarlıbası

Gentrification of Sulukule

Green areas in urban planning

Green roofs in urban areas

Illegal constructions

Le Corbusier and Unite d'Habitation

Metro as a better solution for traffic problems

New urbanism

Overpopulation

Park design and security

Population growth

Private car usage and traffic

Public participation in urban planning

Socio-economic problems of tourism

Squatter settlements/Slums and their negative effects on the progress of the cities and human life

Sprawl urbanization

Street furniture

Tree selection for urban planting

Urban greening

Urban planning as a development level of countries

Urban public parks

Waterfront projects

Industrial Product Design Programme

Advertising and the visual arts

3D printing in design

Bauhaus's effect on industrial product design

Car wheel rims

Computers in industrial design

Concept cars

Effects of colour on industrial design

Factors to be taken into consideration while designing toys and playgrounds for children

Italian design

Italian super cars

Mass production of footware

Model-based production design in film industry

Modularity in design

Package design in product development Photography as a design tool

Plastics as an inexpensive material for product design

Plastics in sportswear

PVC

Ready-made designs

Redesigning for improved product properties

Rendering

Semiotics of form in furniture

Sketching and the design process

Interior Architecture and Landscape Architecture Programmes

Art Deco and interior design

Colour in interior design

Concrete usage in landscape designs

Design for environment(DFE)

Glass walls in interior design

Interior space in the Islamic architecture

Modern landscape designs

Modernism in interior architecture

Natural landscaping

Roof gardens

Water element in landscape design

FACULTY OF MECHANICAL ENGINEERING

Mechanical Engineering Programme

ABS

Active cooling systems

Airbag systems

Aluminium in the automotive industry

Androids

Arc-welding

Automatic transmission

Biodiesel

Biomass

Biomaterials

Biomechanical arms

Boosting fuel economy in automobiles

BMW automobiles

Ceramics in the automative industry

Common rail injection system motors

Composite materials

Computer Aided Technical Drawing Programs(CAD/CAM) for technical drawing

Diesel engines

Electronic navigation controls in cars

Electric vehicles

Electricity production by fuel cell

Elastomers in automatives

Emission control systems

Exhaust gas emission in internal combustion engines

Exoskeletons: Wearable robots

Fiber-reinforced composites, carbon fibers

Formula 1 safety

Fuel cell vehicles

Gas turbines

Harmful effects of elevated temperatures on the mechanical properties of metals

High power lines

Hot forming

Hybrid electrical vehicles

Hydraulic hybrid vehicles

Hydrogen as an alternative fuel

Hydrogen energy in vehicles

Importance of car handling

Intelligent transportation systems

KERS in Formula 1 races

LPG's advantages compared to gasoline

The mechanical design software "SolidWorks"

Methods of overcoming the corrosion problem

Motorcycle historical development

Nano-materials in Medical Engineering

Nanotechnology

Nanotechnology in daily life

Natural gas vehicles

Nuclear energy

Nuclear power plants

Ocean energy

Renewable energy sources

Robotics

Robotic welding

Robots for domestic needs

Rotary engines

Safety measures in automobiles

Shielded Metal Arc Welding(SMAW)

Solar energy

Solar-powered vehicles

Storing thermal energy beryllium

3D design

Titanium

Traction control systems

Wave energy

Wankel motors

Wind tunnels

Yamaha motorcycles

Manufacturing Engineering Programme

Computer controlled automation

Computer numerical computer machines(CNC)

Effects of computer controlled automation of complete manufacturing systems theories on useful industrial applications

Just in Time(JIT)

Metal welding

FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING

Electrical and Electronic Engineering Programmes

ADSL

ADSL-VDSL

Artificial intelligence

Building automation

Benefits of digital TV

Bluetooth-Wap

Comparison of encryption systems

Computers and the human brain

Computers in animated films

Digital pianos

Digital television system

DNA based computers

DSP in communication

DVD

Dynamic web programming

E-business/e-commerce

E- government

Electric motors

Electrical vehicles

Electromagnetic fields

Electronic devices development

Electronics in war

Feedback control systems

Fiber optic cables

Flash and ajax web systems

Fluorescent lamps' superior properties

Genetic algorithm

Global positioning system(GPS)

Hackers and their activities

Hybrid energy

Hybrid vehicles

Hydro electrical systems

Hydrogen energy

Intelligent vehicles

IPTV

Lasers in medicine

Linux operation system

MAGLEV

Magnetic trains

Microcontrollers

Microprocessors

Microwave radiation

Mobile phones

MR

Multi-core processors

Multimedia systems

Nanotechnology in solar energy

Natural language processing

Neural networks

Nuclear power plants

Nuclear power security

Object-orientation in programming

Online games

Open source software usage

Palm computers

Peripheral interface controller (PIC)

Photovoltaics' advantages over grid systems

Programmable logic controllers(PLC)

Pokemon Gaming System

Radio frequency identification (RFIDs)

Remote sensing

Robotic arms

Robotics

Satellite communication

SCADA Systems

Security of e-commerce

Selection of high voltage circuit breakers

Sensors

Smart antennae

Smart cards

Smart houses

Solar power

Superconductors

Superiority of PHP over ASP on web programming

Telecommunications and human health

Thermal imaging cameras

Touch Screen technology

3G

Ultra wide-band devices

USB

Virtual reality in surgery

VOIP

Wind energy

Wind power for electricity generation

Wireless technology

FACULTY OF MINES

Mining Engineering, Geological Engineering and Geophysical Engineering Programmes

Active and passive structural control systems for earthquake resistant design

Blasting technology

Boron mineral

Coal

Cyanide

Earthquake precautions

Geophysical technologies for archaeological excavations

Geothermal energy

Government's role on earthquake precaution

Granite as a building stone

Leaching method in the enrichment of minerals

North Anatolian Faultline

Offshore petroleum platforms

Offshore structure location

Paleontology

Pipeline transportation

Pipeline transportation

Positive/Negative effects of volcanoes

Producing electric energy by coal

Safety in mines

Site amplification

Surface mining

Tunnel boring machines

Tsunami

Volcanic deposits and the Paleoenvironment

Welding

Petroleum and Natural Gas Enginnering Programme

Baku-Tiblisi-Ceyhan pipeline

Oil production

Long-term environmental effects of offshore oil & gas platforms

Natural gas

Petroleum pollution

Pipelines

Petroleum production today

Storage of natural gas

FACULTY OF CHEMICAL AND METALLURGICAL ENGINERING

Chemical Engineering, Metallurgical and Materials Engineering Programmes

Alloys

Aluminium

Atmospheric pollution

Benefits of liquid cooling

Benefits of recyclying

Bioceramics

Bioengineering in medicine

Biological diversity

Biomass energy system

Ceramics

Ceramics as heat resistors

Composite materials

Cosmetic products

Enzymes

Fuel cells

Ginseng

The importance of the chemical industry for the economy

Methanol as an alternative fuel

Nanoscale science

Nanotechnology in industry

Negative effects of the waste of batteries

New materials in sports equipments

Nitinol

Organic chemistry

Pharmocological therapy in obesity treatment

Plastics

Polymers

Polyvinyl Chloride

Radioactivity and radiation

Recombinant DNA technology

Solar energy

Thermodynamics

Titanium

Transgenic plants

Food Engineering Programme

Childhood obesity

Colorants' harms on people's health

Consumption of fast food

Effects of caffeine

Food additives

Food chilling and freezing technologies

Food irradiation

Genetically modified foods

Harms of aspartame

Organic agriculture Paper and nylon as food packaging materials Turkish and Spanish wines Winemaking

FACULTY OF NAVAL ARCHITECTURE ENGINEERING

Naval Engineering and Ocean Engineering Programmes

Advantages of sailing boats over motorboats

Boat building with wood

Catamarans

Catamarans compared to monohulls

Composites in ship industry

Consequences of disasters at sea

Constructing offshore structures

Container ships

Controllable pitch propellers

Diesel engines

Dockyard safety

Ecosystem

Effects of oil usage

Effects of petroleum pollution on the sea

Fiber reinforced plastic(FRP)

Fiberglass in yacht design

Hazards of ship passes in the Bosphorous

Luxury yachts

Maritime piracy

Megayachts

Midwater trawling

National commercial marine

Ocean energy

Offshore platforms

Ro-Ros

Solar energy applications on maritime vessels

Waterjets

Yacht design

FACULTY OF SCIENCE AND LETTERS

Mathematics Engineering Programme

Artificial intelligence

Chaos Theory

Egyptian mathematics

Fuzzy logic

Game theory

Geometry in ancient cultures

The Importance of maths for businesses

Mathematics in architecture, art and music

The Number Pi The origin of the Moon RSA cryptosystem Quantum theory

Physics Engineering Programme

Antimatter

Fusion energy

Black holes

Cold Fusion

Large Hydron Collider

Nanotechnology

Physics in medicine

Physics in movie making

Quantum computers

Quantum theory and its usage areas

Radiology in medicine

The relation between the Big Bang & Big Crunch theories

Types of tides

X-ray difraction

Chemistry Programme

Aspartame

Biotechnology

Caffeine

Chemical weapons

Diet pills

Hydrogen as a fuel

Perfume industry

Phage cure in bacterial diseases

Porcelain enamels

Synthetic drugs/Antibiotics

Molecular Biology and Genetics Programme

Biological diversity on human health

Bioremediation

Biotechnology in daily

DNA technology

Evolution of the brain

Gene cloning in research and biotechnology

Genetically modified organisms

Human cloning

Importance of the p53 gene in oncological research

Ozone laundry systems

Psychiatric genetics

Sickle-cell Anaemia

Stem cells

FACULTY OF MANAGEMENT

Management Science & Industrial Engineering Programmes

Advantages of ergonomics on productivity

Advantages of I/O psychology in ergonomics

Automation systems

Benefits of nuclear energy on the economies of countries

Brand extension

Branding

Business process reengineering(BPR)

Causes of bankruptcy

Celebrity endorsement

Chinese economy

CIM

CNC Systems

Company mergers

Computer integrated manufacturing

Country of origin bias (COO)

Credit cards

The current 2008 economic crisis

Customer relationship management (CRM)

Database management systems

Decision making process

Doing business in global market

E- commerce

E-CRM

Effects of advertisements on children and teenagers

Effects of flexible manufacturing systems(FMS) on the working class

Effects of human resources management on workers' productivity

Effects of noise on workers

Effects of the Second World War in business

Effects of stress on employee-related outcomes

Enron scandal

Environmental conditions in man-machine systems

Expert systems

Foreign direct investment

Franchising

Fuzzy programming

Globalisation and economy

The global crisis and its negative effects on Turkey and the world

Importance of databases

Inflation

Inflation and interest rates

Innovations in new product development

Inventory management in industry

ISO 14000

Istanbul Stock Exchange

Japanese economy

Job stress on humans

Just in time(JIT)

Kanban sytems and their roles in Just-In-Time(JIT) manufacturing systems

Knowledge management

Leasing

Liberalization of the world economy by globalisation in the 21st century

LIN Manufacturing

Management Components

Management information systems(MIS)

Money as a motivating factor

Monopolistic structure

MRPII

Multinational companies

NC Systems

Organizational citizenship

Positive effects of competitiveness on the production quality

Power distinction

Privatisation

Project management

Qualitative decision analysis

Quality function development

Research and development(R&D) department in a company

Results of possessing a powerful brand

Rewarding systems

Risks of doing business in the global market

Roles of interviewer in a job interview

Servant leadership

Six sigma

The success of Red Bull

Supply chain management(SCM)

Sustainable product design

Teamwork

Technology and marketing

TRIZ

Turkey and the European Union

Turkey as a profitable market

Turkish economic crisis of 2001

Ways of improving customer satisfaction

Women leadership

FACULTY OF AERONAUTICS AND ASTRONAUTICS

Aeronautical Engineering & Astronautical Engineering Programmes

Airbus A380

Asteroid mining

Benefits of using helicopters to extinguish forest fires

Cars that can fly

Cold war space race

Concorde

Corrosion problem in aircraft industry

Dangers of volcanic ash on aircrafts

Developments in space research

Disadvantages of the new big Jumbo Jet

Effects of September 11 attacks on the airline industry

Electomagnetic launch systems for space travel

GPS and Air Traffic Control

Ground effect aircraft

Guidance systems

Hazards in space flights

Human factor in aircraft accidents

Human factors training

Mars explorations

Nanotechnology

Reasons of aircraft accidents

Robotics in space missions

Rockets

Solar sails

Spy satellites

Supersonic and hypersonic airplanes

Turkish aviation industry

Unmanned air vehicles

Using composites in aircrafts

VSTOL Aircraft

Waste management in Space

Wind turbines

Meteorological Engineering Programme

Climate changes

Droughts and their impacts on agriculture

Weather forecasts

Hurricanes

FACULTY OF TEXTILE TECHNOLOGIES & DESIGN

Textile Engineering Programme

Anti-bacterial textiles

China and the textile industry

Cotton fiber

Effects of liquid textile dyes on the environment and people

Effects of textile industry wastes

Fibrous composites

Kevlar fiber

Multimedia communication in textiles and clothing industry

Nonwovens in human life with their portable properties

Nano textiles

Nylon fiber

Polyester

Sensor assisted textiles

Silk
Synthetic fibers
Solutions for saving the Turkish textile industry from China's negative influences
Technical textiles
Turkish textile industry
Wool