

INTERNATIONAL PROGRAM COMMITTEE

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UMTIK 2016

17TH INTERNATIONAL CONFERENCE
ON MACHINE DESIGN AND PRODUCTION

JULY 12 - JULY 15 2016.

BURSA, TURKIYE



MATİMAREN
Mechanical Engineering Department
Middle East University
ANKARA-TURKIYE

www.umatik.com

17TH INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION (UMTIK 2016)

17th International Conference on Machine Design and Production will take place on July 12-15 in Bursa, fourth largest city of Türkiye by its population and socioeconomic status. As has been in the previous UMTIK Conferences, UMTIK 2016 aims to constitute a forum of prominent academics and professionals from all over the world to discuss the latest advancements, emerging technologies and systems in design and manufacturing of machines, manufacturing systems and technologies. All from academia and industry willing to disseminate, share and advance their knowledge and expertise are welcome to participate in this forum as authors and/or audience members.

SCOPE

Research papers concerning methods, applications, case studies, and software development in the following areas are invited:

- Design of Production Processes
- Design of Machines and their Applications
- Engineering Design Methodology and Design Models
- Novel Trends in Engineering Design
- Modeling and Analysis of Failure in Machine Elements and Mechanical Systems
- Mechanical Design and Production of MEMS
- Advanced Materials in Machine Design and Manufacturing
- Modeling and Simulation of Manufacturing Systems and Processes
- Sustainability in Design and Manufacturing
- Flexible and Distributed Manufacturing Systems
- Intelligent Systems in Production
- Emerging Technologies in Design and Manufacturing
- Creativity and Innovation in Design
- Smart and Intelligent Product Design
- Sensor Technologies and Networks in Design
- Engineering Education in Design and Production

LANGUAGE

Official languages of the conference are English and Turkish. Papers written in Turkish and English will be presented in separate sessions. The language for the special sessions and for the presentations in the Machining Day however will be in English.

FIRST DAY (MACHINING DAY) ORGANIZATION

"Machining Day" will be organized by Prof. Dr. Erhan Budak and Prof. Dr. İsmail Lazoğlu as the "First Day Program" on the 12th July 2016. You must contact them personally about the speakers, seminars and/or workshops which are suggested to take place in the First Day Program.

Prof. Dr. Erhan Budak, Sabancı University, İstanbul
(ebudak@sabanciuniv.edu)

Prof. Dr. İsmail Lazoğlu, Koç University, İstanbul
(ilazoglu@ku.edu.tr)

SPECIAL SESSIONS

Special sessions on topics within the main frame of the conference will be organized. You are encouraged to submit your ideas about **special sessions** that you would like to organize on topics of your choice. In the past, these sessions have brought together academia and industry experts on selected topics and were found most successful in forming new acquaintances and renewing old ones, for possible future collaborations. Let us know your ideas about **special sessions**.

Special session organizers will be responsible for sending out calls, recruiting speakers and manuscripts, and reviewing and editing papers to the format of the Conference. You can visit the related pages of our web site for the special sessions organized in the earlier conferences.

IMPORTANT DATES

Manuscript Submission Due: **08th January 2016**
Notification of Acceptance: **26th February 2016**
Revised Manuscript Submission and Author Registration : **01st April 2016**
Announcement of the Conference Program: **06th May 2016**

MANUSCRIPTS

Contributors are invited to submit **full manuscripts** with the following information.

- Full manuscript prepared according to the format placed on the UMTIK website www.umatik.com
- Complete address of the communicating author, phone number and e-mail address.

The submitted manuscripts will be reviewed by the International Program Committee and the appointed referees. Upon acceptance, further information will be mailed to the communicating authors for revisions and preparation of the final manuscript, and registration to the Conference. The presenting authors are urged to complete their registration to the Conference before **April 01, 2016**. Manuscripts of the presenting authors who have not completed their registration by that date will not be published. Accepted papers will be published in the Conference Proceedings in CD ROM format.

All communications including submission of the manuscripts will be carried out online through the UMTIK web site with the **CMT** (Conference Management Toolkit) linked to the Paper Submission Button.

Special session organizers can arrange their session programs around their own time tables. They must however submit the titles of the manuscripts accepted to their sessions by the **26th February 2016** and the reviewed/revised manuscripts by the **01st April 2016** to the Conference Organizing Committee. The special session organizers must also ensure the registration of at least one author of each session manuscript before the **01st April 2016**.

CONFERENCE VENUE and ACCOMMODATION

Bursa is the fourth biggest city of Türkiye in terms of its population and its socioeconomic level. Bursa was long known with its rich historical background, green landscape with vast fertile lands and with its strong textile industry famous with towel, wool and silk products. In the past 40 years, Bursa has started developing automotive industry coupled with similar development in the industry for production machinery and in the automotive supplier industry. Bursa today can be considered as the capital of automotive and supplier industry with a strong production machine industry in Türkiye. Bursa is one of the most active cities in Türkiye in terms of tourism activities all around the year attracting many tourists from Türkiye and from many different countries. Its natural and historical sites, hot springs, its beautiful coves and beaches along the coast of Marmara Sea, the natural park and the skiing center in Uludağ are perhaps the most attractive places for the visitors of Bursa.

The venue for UMTIK-2016 is the Kervansaray Thermal Hotel (<http://www.kervansarayhotels.com.tr/>), located in Çekirge at the outskirts of Uludağ with a panoramic view of Bursa Plain. The conference participants staying at the Kervansaray Thermal Hotel can take the advantage of the use of indoor and outdoor pools, and the famous Turkish Hamam in the historical Old Hot Springs. Also in the vicinity are many natural and historical points of interest that the visitors can enjoy, such as Ulucami (Grand Mosque), Yeşil Cami (Green Mosque), Yeşil Türbe (Green Tomb), Uludağ National Park, Kapalıcaresi (Grand/Covered Bazaar) authentic town Cumalıkazık and many other. Other accommodation options for a variety of budgets will be offered on the conference web site (www.umatik.com) in the coming months as the conference details emerge. There are quite a few options to travel to Bursa from abroad. The most direct way for the air travelers is to take Sabiha Gökçen Airport in İstanbul as the destination point. At the airport you will find buses and midi-buses ready to take you to Bursa in about 2-3 hours.

EXHIBITION and SPONSORSHIP

Space will be provided to companies working in the field of machine design and production to exhibit their products, designs and/or software developments. Interested companies are kindly requested to apply to the Congress Secretariat.

Sponsorship agreements in both Turkish and English languages are available upon request. There will be special sessions for the sponsoring companies and institutions to introduce themselves and their activities.

REGISTRATION

Each participant must register to the Conference. The payments should be made in EURO, through on line registration form or bank transfer. Please attach to the registration form, a copy of the remittance slip if the amount is paid via bank transfer and specify your name on the bank draft to your letter sent to the Congress Secretariat. Personal cheques are not accepted. The payments should be clear of any charges or taxes. Please browse the website for detailed information and online registration at www.umatik.com

Date	Before April 01, 2016	After April 01, 2016
Registration Fee	300 €	350 €

Registration fee includes attendance to all sessions, the CD-ROM Conference Proceedings, Cocktail Party, Banquet, Conference Dinner, lunches and break refreshments during the conference.

Daily registration is possible for 100 € per day only to the participants without a paper. The registration fee includes attendance to all sessions on the registered day, the CD-ROM Conference Proceedings, lunch and break refreshments during the day. **Cocktail, Banquet and Dinner invitations for spouses and daily registered participants** will be available with extra charge.