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Chamber of Mechanical Engineers

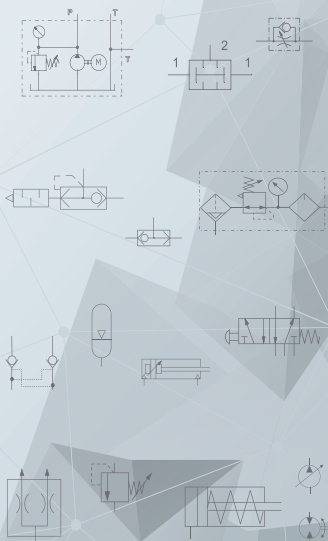


# IX. NATIONAL HYDRAULICS & PNEUMATICS CONGRESS AND EXHIBITION

WITH INTERNATIONAL PARTICIPATION

**17-20** November  
2021

MMO TEPEKULE  
CONVENTION AND EXHIBITION CENTRE



## CONTACT ADDRESS

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## OBJECTIVES OF THE CONGRESS



The main objective of the Congress is to contribute to the improvement of hydraulics and pneumatics technologies.

**The Congress also provides an opportunity to;**

discuss scientific and technological developments in the field of hydraulics and pneumatics and their applications.

provide a common platform for hydraulics and pneumatics engineers and technicians, academicians, researchers, developers, users, students, sector and trade associations.

determine the required actions on education, research and legal regulations and share the current developments with the engineers and technical people working on the hydraulics and pneumatics.

It is desired that the papers presented in the Congress is a technical reference for application engineers and technical people.

Hydraulics and Pneumatics Congress with its scientific program, exhibition and social activities will be a common information and sharing platform for the hydraulics and pneumatics sector.

Engineers, academicians, technicians, companies and sector associations who are working in the hydraulics and pneumatics field are invited to contribute and give support to this common platform.

## EXHIBITION

Hydraulic and pneumatic systems and equipment

Mobile hydraulic systems and equipment

Hydraulic pumps

Hydraulic and pneumatic valves

Hydraulic and pneumatic cylinders and motors

Air compressors

Pressurized air preparation and equipment

Hydraulic filtration systems

Hydraulic oils and lubrication systems

Fluid power seals

Hydraulic and pneumatic systems in automation applications

Controllers, sensors and other measuring elements

Connection elements and equipment in hydraulic and pneumatic systems

**This congress is organized by Chamber of Mechanical Engineers  
İzmir and İstanbul branches.**

## TOPICS OF INTEREST

### HYDRAULICS

Industrial hydraulics  
 Mobile hydraulics  
 Marine hydraulics  
 Hydraulic circuit design  
 Hydraulic components and their applications  
 Proportional and servo systems  
 Hydraulic fluids, seals and filtration  
 Safety in design and machines  
 Energy efficiency  
 Hydrostatic circuits  
 Load-sensing control systems  
 Computational fluid dynamics (CFD)  
 Micro and nano flows  
 Maintenance and troubleshooting  
 Sector specific applications

### PNEUMATICS

Pneumatic circuit design  
 Pneumatic components and their applications  
 Pressurized air preparation and conditioning equipment  
 Pneumatic systems in mobile applications  
 Safety in design and machines  
 Energy efficiency  
 Pneumatic control systems  
 Vacuum technologies  
 Maintenance and troubleshooting  
 Sector specific applications

### CONTROL SYSTEMS/MECHATRONICS/AUTOMATION

Proportional and servo control  
 Simulations of hydraulic and pneumatic systems  
 Controllers, sensors and other measuring elements  
 Robotics implementations at hydraulic and pneumatic  
 Mechatronic applications in hydraulic and pneumatic systems  
 Hydraulic and pneumatic test systems  
 Digital technologies

## DEADLINES

|                  |   |
|------------------|---|
| 7 May 2021       | submission of abstract proposals        |
| 28 May 2021      | Notification of acceptance of abstracts |
| 3 September 2021 | Submission of full papers               |
| 2 October 2021   | Notification of acceptance of papers    |

## ORGANIZING COMMITTEE

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