

## INTRODUCTION

SEWC-Turkey Group, established in 2014 under the patronage of Architecture Foundation Turkey (MIV), cordially invites you to participate in the seventh edition of the Structural Engineers World Congress – SEWC 2019. The congress organized by Yıldız Technical University Faculty of Architecture and Hasan Kalyoncu University Faculty of Fine Arts and Architecture will be held in Antalya, Turkey, in 24-26 April 2019.

Antalya, known as Pamphilia in history, was inhabited 50 thousand years ago and housed Hittites, Phrygians, Lydians, Greeks, Romans, Seljukians and Ottomans. From 2nd century B.C. on the name of the place has been known successively as Attaleis, Adalia, Adalya and finally Antalya. Housing many historical remains from these periods, Antalya is one of the most suitable places to communicate the rapid advances in construction technology through the history.

SEWC2019 International Congress will provide a unique forum to disseminate the knowledge of the most advanced technologies on Structures and Architecture, promote the comprehension of complex architectural and structural applications, enhance dialogue among worldwide professionals from broad range of disciplines and explore the historical and ontological aspects of the relationship between architecture and other engineering disciplines. A friendly environment will be provided for all participants to share their experience and develop new ideas and joint researches

The Congress is intended for an audience of researchers and practitioners world-wide with a background in architecture and engineering disciplines related to structure. It includes architects, structural and construction engineers, builders and building consultants, construction industry persons, academics, researchers, students, product manufacturers, material suppliers, project managers and contract administrators, asset managers of infrastructure development and others.

## INVITED SPEAKERS

Leading experts in chosen topics will be invited to deliver keynote speeches

## PRESENTATIONS

The official language of the Conference is English. All papers should be written and presented in English. Simultaneous translation will be provided only into Turkish.

Both oral and poster presentations will take place in the Conference Proceedings that will be available at the registration desk.

## TOPICS

### A- Architectural Design

Modern Architecture, Contemporary Design in Historic Environment, Smart Building Design, Green Building Design, BIM Design, Landscape Architecture

### B- Historic Monuments and Sites

Traditional Architecture, 20<sup>th</sup> C. Heritage, Archaeological Sites, Archival Studies, Documentation, Assessment and Restoration of Historic Buildings, Construction History

### C- Structural Engineering

Structural Design (RC, Timber, Steel Structures), Highrise Buildings, Bridges, Glass Structures, spatial Structures, Tension and Membrane structures, Traditional Masonry Structures, Service Life of Structures, Energy-efficient Building Envelopes, Numerical Analysis and Simulation, Archival /Theoretical Studies

### D- Earthquake Engineering

Earthquake resistant design, Seismic Retrofit and Strengthening of Structures, Active and Passive Control systems, Performance Based Design, Soil-Structure Interaction, Earthquake Geotechnical Engineering, Innovative Approaches, Earthquake History

### E- Transportation Engineering

Transportation Systems (Highway, Subway Airports, Train Stations design ...), Structural Crashworthiness of Road Infrastructure, Transportation Safety and Security, Intelligent Transportation Systems, Transportation Planning

### F- Environmental Engineering

Sustainable Development and Structures, Environment Impacts on Structures (air, land, water pollution), Environmental Life Cycle of Structures, Occupational Health and Risk Related Issues, Water Treatment and Distribution, Collection, Treatment and Disposal of Waste Waters

### G- Hydraulic and Coastal Engineering

Coastal and Offshore Structures, Water Resources Structures, River Engineering, Coastal Hydrodynamics, Port Planning and Management, Marine Technology, Eco-Coastal Structures

### H- Material Engineering

Ceramics, Metals and Alloys, Concrete, Mortars, Cementitious materials, Polymers, Composites

### I- Construction Management

Automation and Robotics in Construction, Building Information Modeling, Claim and Dispute Resolution, Project Integration, Project Cost and Time, Quality Controls, Human Resources, Construction Risk Management, International and Global Issues in Construction Management, Project Planning and Management, Strategic Management

### J- Urbanism

Urban Transformation, Housing, Natural, Cultural, Historical Environment, Huge Urban Projects, Transportation and Infrastructure Projects, Rural Areas, Coastal Areas, Urban Recovery, Smart Cities, Rights and Legal Amendments

### K- Disasters and Risk Mitigation

Fire Engineering, Flooding, Hurricanes, Earthquake, Climate Change, Risk Analysis, Risk Modelling, Monitoring and Management, Disaster Recovery

### L- Education/Training

Structure in Architecture Education, Structure in Engineering Education, Perception of Structures in Scholars, Communication and Collaboration between Architects and Engineers, Education of Traditional Structures and Construction Techniques

## CALL FOR PAPERS

# SEWC'19

7<sup>th</sup> INTERNATIONAL CONGRESS ON

## Architecture and Structure: From Past to Future

24 – 26 April 2019

Antalya, Turkey



Organized by



Yıldız Technical Univ.  
Faculty of Architecture



Hasan Kalyoncu Univ.  
Faculty of Fine Arts and  
Architecture

Hosted by



Structural Engineering World Congress Turkey

<https://sewc2019.org>

## EXHIBITION

Exhibition facilities for consultants, contractors, systems manufacturers related to the Conference are welcomed at the Conference venue to offer opportunity to illustrate their projects, processes, components, materials, hardware, software and literature. Please contact to Conference website for details

## IMPORTANT DATES

• Submission of Abstracts	<b>June 18, 2018</b>
• Acceptance of abstracts	<b>July 16, 2018</b>
• Full paper submission	<b>November 16, 2018</b>
• Final Acceptance of Full papers	<b>February 04, 2019</b>
• Final Submission of Revised Papers & Copyright agreement	<b>February 15, 2019</b>
• Last Date for Early Registration	<b>March 01 2019</b>
• Submission of Presentations	<b>April 12, 2019</b>

## SUBMISSION

The abstract not exceeding 500 words with no tables and figures should be structured in three main sections:

- Introduction
- Developments
- Remarks and Conclusion

The abstract should be clear, aiming at giving a general overview of the paper. Submissions will be peer reviewed by the Scientific Committee of the Conference.

## REGISTRATION

Conference fee for participants will include Proceedings and participation in all technical sessions, lunches, coffee breaks, reception and Conference gala dinner. For accompanying person, the fee will include participation in all technical sessions, lunches, coffee breaks, reception, and gala dinner. Following are the estimated registration fees

	March 01 2019	
	Until	After
<b>Participants</b>	<b>600 €</b>	<b>700 €</b>
<b>Accompanying</b>	<b>250 €</b>	<b>300 €</b>
<b>Students</b>	<b>300 €</b>	<b>350 €</b>
<b>Special Session contribution*</b>	<b>300 €</b>	<b>-</b>

For student registration participants must show their student identity card or any other relevant document at the registration \* see: <https://sewc2019.org>

## INTERNATIONAL ADVISORY COMMITTEE

**R. Sundaram**, India, President of SEWC World Wide  
**N.K. Srivastava**, Canada, SEWC Vice President  
**Enzo Siviero**, Italy, SEWC Vice President  
**Toshio Okoshi**, Japan, SEWC Vice President

## SCIENTIFIC COMMITTEE

### Alphabetical Order

Khaled Abdelazim (Egypt)	Kadir Güler (Turkey)
Sigrid M. Adriaenssens (Belgium)	Polat Gülkan (Turkey)
Zeynep Ahunbay (Turkey)	Oğuz Gündoğdu (Turkey)
Zafer Akdemir (Turkey)	Zeynep Işık (Turkey)
Fevziye Aköz (Turkey)	Alper İlki (Turkey)
Prepis Alkiviades (Greece)	Sedat Kabdaşlı (Turkey)
Gülray Altay (Turkey)	Tayfun Kahraman (Turkey)
Atilla Ansal (Turkey)	Stephen J. Kelley (USA)
Yusuf Arayıcı (Turkey)	Özgür Kırca (Turkey)
David Arditi (USA)	Koray Korkmaz (Turkey)
Ali Osman Atahan (Turkey)	Paulo Lourenço (Portugal)
Kari Avellan (Finland)	Christopher Marrion (USA)
Salman Azhar (USA)	Deniz Mazlum (Turkey)
Taylan Bağcı (Turkey)	Androniki Miltiado (Greece)
Cemalettin Başaran (USA)	Marius Moşoarcă (Romania)
Guido Bonin (Italy)	Olimpia Niglio (Italy)
Hasan Böke (Turkey)	Juan Gerardo Oliva Salinas (Mexico)
Bruno Briseghella (Italy)	Filiz Piroğlu (Turkey)
Carlo Castiglioni (Italy)	Rui Póvoas (Portugal)
Zekai Celep (Turkey)	Mohammad Massod Rafi (Pakistan)
Mario Alberto Chiorino (Italy)	Maria M. Segarra Lagunes (Mexico)
Guido Cimadomo (Spain)	İsmail Şahin (Turkey)
Gianfranco De Matteis (Italy)	Ertuğrul Taciroğlu (Turkey)
İclal Dincer (Turkey)	Romuald Tarczewski (Poland)
Kaya Dinçer (Turkey)	Ahmet Topuz (Turkey)
Miloš Drdáký (Czech Republic)	Z. Gül Ünal (Turkey)
Zeynep Eres (Turkey)	Humberto Varum (Portugal)
Güngör Evren (Turkey)	Meltem Vatan Kaptan (Turkey)
Antonio Formisano (Italy)	Ioannis Vayas (Greece)
Ergun Gedizlioğlu (Turkey)	David Viana (Portugal)
Soray Ganin (Portugal)	Yalçın Yüksel (Turkey)
Fatoş Germirli Babuna (Turkey)	Nabi Yüzer (Turkey)
Gülten Gülay (Turkey)	

## ORGANIZING COMMITTEE

<b>Görün Arun</b>	<b>Deniz Mazlum</b>
<b>Fevziye Aköz</b>	<b>Zafer Akdemir</b>
<b>Merve Anaç</b>	<b>Tayfun Kahraman</b>
<b>Nusret Suna</b>	<b>Ali Rüzgar</b>
<b>Ali Osman Kuruşcu</b>	<b>Şerife Özata</b>

## CONTACT

[sewc2019@gmail.com](mailto:sewc2019@gmail.com)  
Nazan Satı (nazans@diyalog360.com)

## VENUE

Cornelia Diamond Hotel, Belek, Antalya  
([www.corneliasort.com](http://www.corneliasort.com))

It is possible to reach Antalya by plane from Europe.



## SPONSORS & SUPPORTERS

	American Concrete Institute
	IASS International Association for Shell and Spatial Structures
	ICOMOS-ISCARSAH International Scientific Committee on Analysis and Restoration of Structures of Architectural Heritage
	Chamber of Civil Engineers, Istanbul, Turkey
	Chamber of Architects of Istanbul, Turkey