

**WORLD
ENERGY
COUNCIL** | **ISTANBUL 2016**
**23rd
WORLD ENERGY
CONGRESS**
Embracing New Frontiers

**9 - 13 OCTOBER 2016
ISTANBUL - TURKEY**



**INFORMATION ON THE
ACADEMIC PAPER
SESSION**

by

WEC TURKISH NATIONAL COMMITTEE

hosted by



VENICE INTERNATIONAL UNIVERSITY

VE, Italy, 28 January 2016

very pleased to be at





WORLD ENERGY COUNCIL
TURKISH NATIONAL COMMITTEE



Speakers

Prof. Ahmet Dursun ALKAN PhD

Chair - Scientific Committee
23rd World Energy Congress

alkanad@yildiz.edu.tr

Vahit ÇALIŞIR MSc

Consultant
WEC Turkish National Committee

vahit.calisir@wec2016istanbul.org.tr

PRESENTATION OUTLINE

- **World Energy Council (WEC)**
 - Mission
 - History of WEC and Congress
 - WEC Network
- **23rd World Energy Congress**
 - Call for Papers
 - Paper Submission
 - Paper Awards



World Energy Council (WEC)

Formed in 1923, the Council is the **UN-accredited global energy body**

Represents the entire energy spectrum:

More than **3000 member organisations** located in over 90 countries

Governments, private and state corporations, academia, NGOs and energy-related stakeholders.

World Energy Council

Mission

Carried out through the objects those are to promote the sustainable supply and use of energy for the greatest benefit of all people, by:

- collating data about and undertaking and promoting research into the means of supplying and using energy having, short and long term, the greatest social benefit and the least harmful impact on the natural environment, and publishing or otherwise disseminating the useful results of such research;
- undertaking actions, including but not limited to the holding of Congresses, workshops and seminars, to facilitate such supply and use of energy; and
- collaborating with other organisations in the energy sector with compatible goals.



History of WEC

Established in 1923, the WEC has been helping the world's leaders and thinkers understand the energy landscape for nearly a century. Its first meeting, as the **World Power Conference**, brought together representatives from 40 countries to help rebuild the electricity grid in the aftermath of the First World War.

This regular global event has evolved into the **World Energy Congress**, as we know it today, gathering many luminaries in world thinking - such as **Albert Einstein and Max Planck** - alongside industry and technology experts to share knowledge and get to the heart of the important energy issues of our times.



Max Planck and Albert Einstein at the “World Power Conference” in Berlin on 17 June 1930 where Einstein presented his theory of relativity.



WORLD ENERGY COUNCIL

World Energy Council

Structure

Chair
Officers Council
Secretary General
London Secretariat
Committees
Executive Assembly
Governance
National Member Committees

www.worldenergy.org

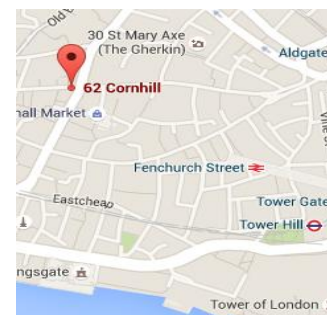


Chair

Marie-José Nadeau

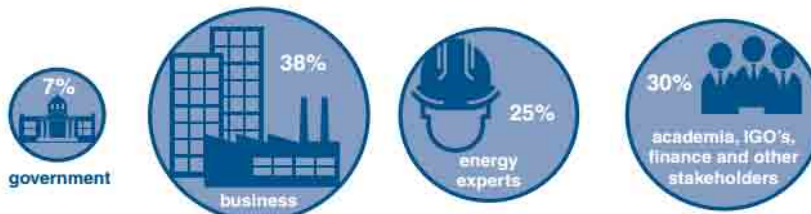
Headquarter

WEC
 62-64 Cornhill
 London EC3V 3NH
 UK





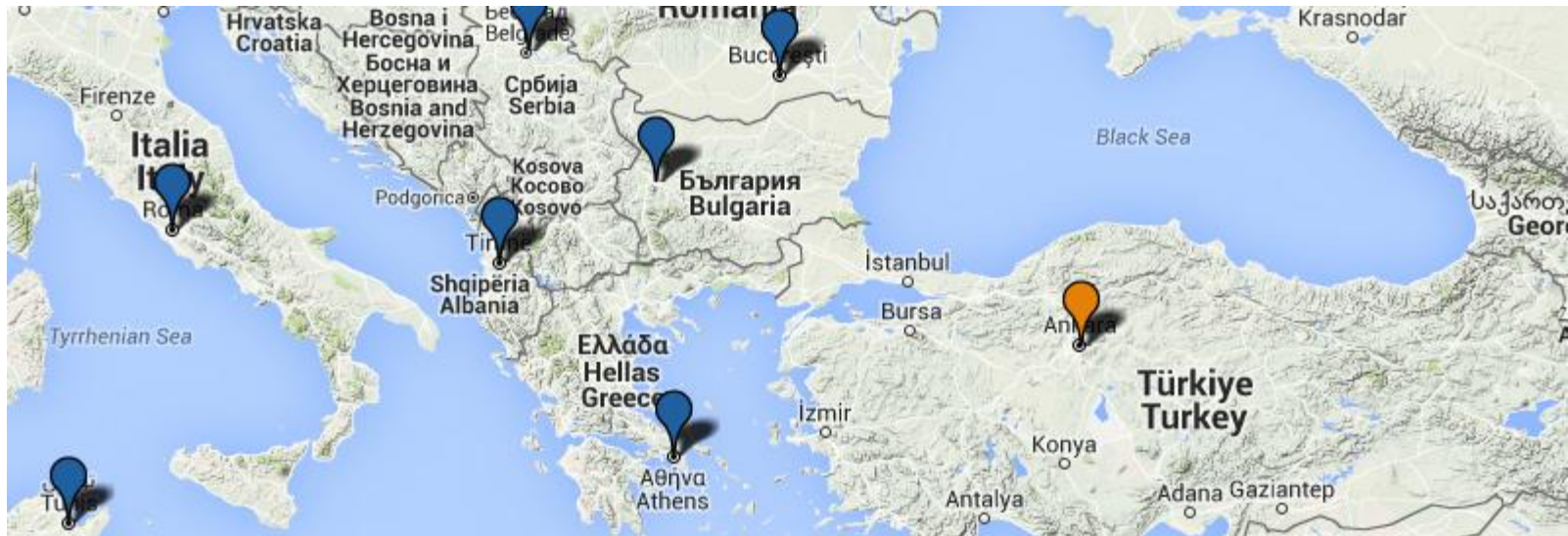
WEC Network 1/2



Corporations, organisations and individuals can join the WEC's network through the National Committee in their country of interest.

WEC Network 2/2

National Member Committees



Italian National Committee
Gilberto Callera
Chair

Turkish National Committee
Hasan Murat Mercan
Chair

23rd World Energy Congress



23rd World Energy Congress



23rd World Energy Congress

Invitation messages



(Previous) Ministry of Energy and Natural Resources Mr. Taner Yıldız



<https://vimeo.com/135473916>



WEC Chair Ms. Marie-José Nadeau



<https://vimeo.com/134604870>

23rd World Energy Congress

- 23. WORLD ENERGY COUNCIL (www.wec2016istanbul.org.tr) will be held in Istanbul, **9-13 October 2016**.
- We are keen on making **WEC2016** the most successful congress ever.
- High level and multi-discipliner participation representing not only the decision makers, but also industry and academia.
- In the fair, new Technologies will be introduced, sector leading companies and international and regional energy giants will be represented.
- Regional and energy investment opportunities in Turkey will be publicised. African Day: Investments in Africa will be on the spotlight.
- Expecting up to 10.000 delegates, 100+ ministers, 30+ heads of states and governments.

23rd World Energy Congress

REFERENCES

DATE	: October 09 (Sun)- 13 (Thu), 2016
VENUE	: Congress Valley - Istanbul, TURKEY
THEME	: Embracing New Frontiers
ORGANIZER	: WEC 2016 ISTANBUL Organizing Committee
SIZE	: Congress: 10.000+ participants from 100+ countries
EXHIBITION	: 12.000 m2, 20.000 visitors.

www.wec2016istanbul.org.tr

 [@WECongress](https://twitter.com/WECongress)

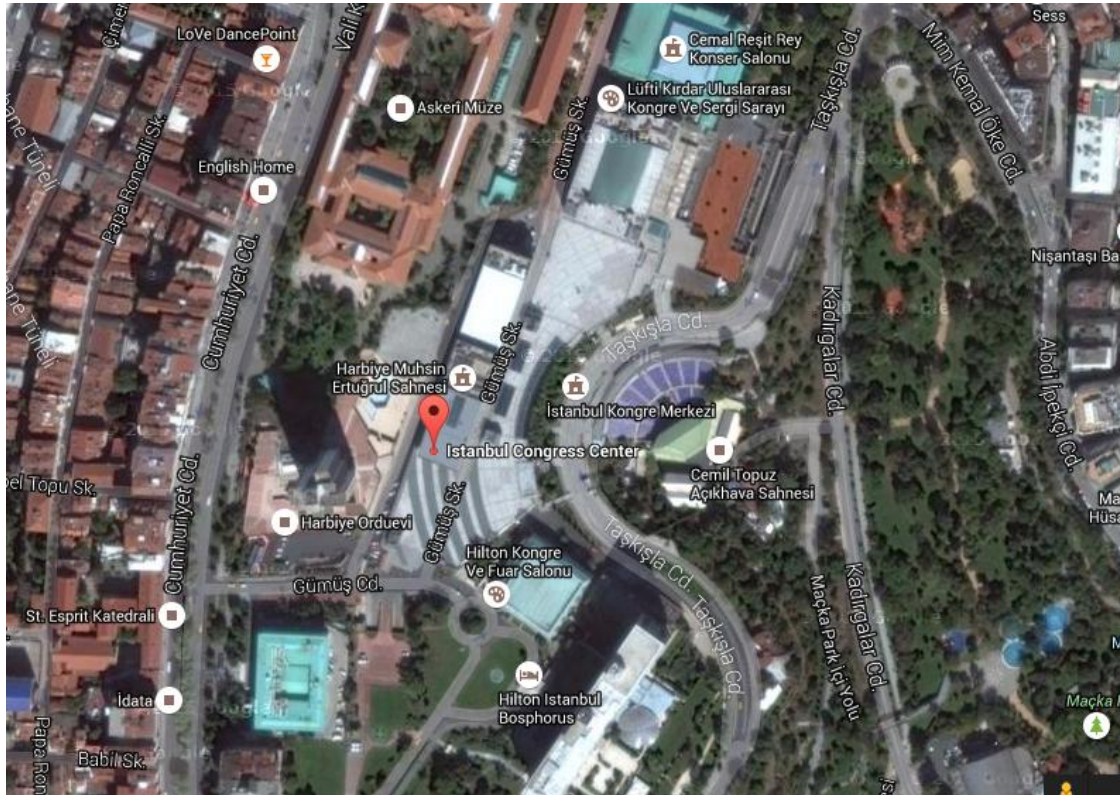
www.dektmk.org.tr



dektmk@dektmk.org.tr

23rd World Energy Congress

LOCATION



23rd World Energy Congress



23rd World Energy Congress

10 Oct 2016 (Mon)	11 Oct 2016 (Tues)	12 Oct 2016 (Weds)	13 Oct 2016 (Thurs)
Vision and Scenarios for the Future	Identifying the Business Opportunities: Resources and Technologies	Policy Solutions to Secure Prosperity: Embracing The Trilemma	Africa: Securing a Sustainable Energy Future
Scene Setting			
Keynote Speeches			
Opening Face to Face / Game Changer / Outlook What Does It Take? / Regional Crossroads Closing			
World Energy Council Community Roundtables (invitation only)			
World Energy Insights Roundtable	CEO Roundtable	Trilemma Ministerial Roundtable	Special Programme Roundtables
Congress Special Events			

23rd World Energy Congress

Session Overview

Session Category	Description
Opening and Closing	<ul style="list-style-type: none"> Setting the stage and Monitoring World Energy Issues
Face to Face	<ul style="list-style-type: none"> Providing a space for World Energy Perspectives
Game Changer	<ul style="list-style-type: none"> Exploring critical drivers fuelling the energy transition and inspiring World Energy Scenarios
Outlook	<ul style="list-style-type: none"> Covering the fundamentals, and inspiring examples in key World Energy Resources
What Does It Take?	<ul style="list-style-type: none"> Highlighting necessary institutional change to balance the World Energy Trilemma
Regional Crossroads	<ul style="list-style-type: none"> Developing an overview on different regional priorities defined by specific contexts, trends and opportunities
World Energy Council Community Roundtables (by invitation only)	<ul style="list-style-type: none"> World Energy Insights Roundtable World Energy Leaders' Summit (WELS): CEO Roundtable World Energy Leaders' Summit (WELS): Trilemma Ministerial Roundtable Special Programme Roundtables
Congress Special Events	

2016 Istanbul Congress Call for Papers

The Istanbul Organizing Committee and the World Energy Council are pleased to invite authors to submit papers for the 23rd World Energy Congress. Your active involvement in this Call for Papers provides an excellent opportunity to contribute to the development of the global energy community.

All of the selected papers will be presented at the Congress' dedicated expert forum and distributed to all delegates on USB flash drives.

Prizes will be awarded for the best papers – further details to be announced shortly.

2016 Istanbul Congress Call for Papers

Important Dates

Paper Submission Opens: 1 October 2015

Paper Submission Deadline: 28 February 2016

Selected Papers Notification: 15 May 2016

Award Winners Notification: 1 July 2016

Presentation at the Congress: 10-13 October 2016

2016 Istanbul Congress Call for Papers

Paper Topic Categories

Authors are invited to provide their insight on a theme relating to WEC's four main Activity Areas:

- **World Energy Scenarios**
- **World Energy Resources and Technologies**
- **World Energy Trilemma**
- **Financing Resilient Energy Infrastructure**

2016 Istanbul Congress Call for Papers

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- **World Energy Resources and Technologies**
- **World Energy Trilemma**
- **Financing Resilient Energy Infrastructure**

2016 Istanbul Congress Call for Papers

Paper Topic Categories

World Energy Scenarios

What if ...? Overall energy scenarios to portray potential pathways into the future to help us better understand critical uncertainties and decision points.

2016 Istanbul Congress Call for Papers

Paper Topic Categories

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- **World Energy Scenarios**
- **World Energy Resources and Technologies**
- **World Energy Trilemma**
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2016 Istanbul Congress Call for Papers

Paper Topic Categories

Energy Resources and Technologies

What are the key messages of energy resources and innovative technologies? Special focus on the following resources: Coal, Oil, Bioenergy, Waste, Peat, Geothermal, CCUS, Gas, Uranium & Nuclear, Hydropower, Marine, Wind, Solar, Energy Storage, Energy Efficiency Technologies, e-Mobility

2016 Istanbul Congress Call for Papers

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2016 Istanbul Congress Call for Papers

Paper Topic Categories

World Energy Trilemma (Energy Policy Trilemma)

1/4

The Trilemma is a 21st century policy framework for evaluating the degree to which energy options are (1) secure; (2) affordable; and (3) environmentally sensitive. Addressing the energy trilemma presents extraordinary environmental, social, and economic challenges requiring national and international action by not only governments, but also the private sector and civil society.

cont..

2016 Istanbul Congress Call for Papers

Paper Topic Categories

World Energy Trilemma (Energy Policy Trilemma)

2/4

Topics which may be addressed under the Trilemma include:

Energy Trilemma Index: How can the existing comparative assessment of country's performance in delivering sustainable energy systems be improved? The current assessment Index is available at:

www.worldenergy.org/data/trilemma-index

cont..

2016 Istanbul Congress Call for Papers

Paper Topic Categories

World Energy Trilemma (Energy Policy Trilemma)

3/4

Topics which may be addressed under the Trilemma include:

Market design: New models to compensate energy companies for the services they provide are required as current market designs do not yet reflect changes in energy supply and energy technology. What are innovative market designs that reflect the new reality of an energy sector in transition?

cont..

2016 Istanbul Congress Call for Papers

Paper Topic Categories

World Energy Trilemma (Energy Policy Trilemma)

4/4

Topics which may be addressed under the Trilemma include:

Regional integration: Energy resources are unevenly located across the globe and rarely bound by national borders. However, policies and regulation remain defined by national boundaries. How can key barriers to regional integration be practically overcome and the enabling conditions be created to ensure trilemma benefits?

2016 Istanbul Congress Call for Papers

Paper Topic Categories

Authors are invited to provide their insight on a theme relating to WEC's four main Activity Areas:

- **World Energy Scenarios**
- **World Energy Resources and Technologies**
- **World Energy Trilemma**
- **Financing Resilient Energy Infrastructure**

2016 Istanbul Congress Call for Papers

Paper Topic Categories

Financing Resilient Energy Infrastructure

1/4

Resilience as a concept can be framed as an ambition as to how the best boardrooms respond to the changing risks landscape and global economic uncertainty. Resilience thinking requires embedding anticipation of uncertainty into both market and infrastructure designs to ensure that energy systems are able to respond to any sudden, unanticipated event. Embedding the concept of resilience within energy decision-making is of increasing importance in all parts of the world and is critical for meeting the goals of the energy trilemma.

cont..

2016 Istanbul Congress Call for Papers

Financing Resilient Energy Infrastructure

2/4

Topics which may be addressed under **Financing Resilient Energy Infrastructure** include:

Extreme Weather Events: How can risks related to extreme weather events be better incorporated into the technical and financial evaluations of energy investment decisions to support the development of more resilient energy infrastructure? What are the best strategies, across the energy sector, to adapt to the new normal?

cont..

2016 Istanbul Congress Call for Papers

Financing Resilient Energy Infrastructure

3/4

Topics which may be addressed under **Financing Resilient Energy Infrastructure** include:

Energy-Water-Food Nexus: What are practical solutions to address the interdependences of the three core nexus areas and sustain their use in the future?

cont..

2016 Istanbul Congress Call for Papers

Financing Resilient Energy Infrastructure

4/4

Topics which may be addressed under **Financing Resilient Energy Infrastructure** include:

Cyber-Attacks: What can we learn from best-practices in cyber resilience, and what types of changes are required for the energy industry to be prepared for today's critical interconnectivity? How do we translate cyber risks from an operational risk to a business concern? What do leaders need to know and what can they do in the future to better prepare our systems in the instance of sheer sabotage?

2016 Istanbul Congress Call for Papers

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<http://www.wec2016istanbul.org.tr/call-for-papers>

2016 Istanbul Congress Call for Papers

Paper Preparation Guidelines

Paper template and a **sample paper** are given



www.wec2016istanbul.org.tr/call-for-papers

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www.wec2016istanbul.org.tr/call-for-papers/



23RD WORLD ENERGY

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CALL FOR PAPERS



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2016 Istanbul Congress Call for Papers

WEC 2016 - World Energy Conference 2016

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Registration

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*Work Phone:

Alternate Phone:

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Mobile Phone:

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Submit New Paper | My Papers | My Account | All Papers | Find Paper | All Users | Find User | Custom Info Screens | Word Output | Excel Output

Administration

Fulltext Paper

Submission Steps

Deadline for submission:

Sunday, February 28, 2016 23:59

- Please read instructions carefully before filling the application form.
- You can edit your saved papers until you submit them to the Scientific Committee.

Steps for Submitting a Paper

-
- **Step 1:** Presentation Options
 - **Step 2:** Institution Information
 - **Step 3:** Author Information
 - **Step 4:** Presenting Author Information
 - **Step 5:** Paper Title
 - **Step 6:** Paper
 - **Step 7:** Keywords
 - **Step 8:** Fulltext / Presentation
 - **Step 9:** Preview & Check
 - **Step 10:** Save / Submit to the Committee

START FROM HERE

PAPER SUBMISSION

Step 1 / 10: Presentation Options

Paper Language	English
Paper Category/Topic	<input type="text"/>
Presentation Type	<ul style="list-style-type: none">World Energy ScenariosWorld Energy Resources and TechnologiesWorld Energy TrilemmaFinancing Resilient Energy Infrastructure

Steps for Submitting a Paper

- **Step 1:** Presentation Options ←
- **Step 2:** Institution Information
- **Step 3:** Author Information
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START FROM HERE

PAPER SUBMISSION

Step 1 / 10: Presentation Options

Paper Language	English
Paper Category/Topic	World Energy Resources and Technologies ▼
Presentation Type	<input type="text" value=""/> ▼
	<input type="button" value="Continue"/> Oral Presentation Poster Presentation

Steps for Submitting a Paper

- **Step 1:** Presentation Options ←
- **Step 2:** Institution Information
- **Step 3:** Author Information
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- **Step 5:** Paper Title
- **Step 6:** Paper
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[START FROM HERE](#)


PAPER SUBMISSION

Step 1 / 10: Presentation Options

1/10 

Paper Language	English
Paper Category/Topic	World Energy Resources and Technologies ▼
Presentation Type	Oral Presentation ▼
Save and Continue	

Steps for Submitting a Paper

- **Step 1:** Presentation Options 
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Enter each institution only once:

I.e., if there are 5 authors and 3 of whom are from same institution and 2 of whom are from another, you will have 2 institutions, NOT 5. However, if there are 2 or more departments at the same institution represented, they can be entered separately. Include the City and Country for each institution.

You can associate institutions with the respective authors on the next step.
Please be sure all institutions are in the correct order.

Institutions of Authors

e.g.: Department of Eeee, Aaaa University, Istanbul, Turkey

Please do not use all capitals.

1. Department of Abcd, Xyz University, Venice, Italy
2. Scientific and Technological Research Council of Turkey, Ankara, Turkey
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.

Save and Continue

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WEC 2016 - World Energy Conference 2016

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Administration

Step 3 / 10: Author Information

3/10

Enter each author full name and select an institution number. Click the 'Presenter' box on the left for the presenting author. Please be sure all authors are in the correct order.

Auto correct upper-lower case while filling the form.

Institutions

1. Department of Abcd, Xyz University, Venice, Italy
2. Scientific and Technological Research Council of Turkey, Ankara, Turkey

Author Information

E.g.: Ahmet Harim Caglayan

Please do not use all capitals.

Presenter	First name	Middle name	Last name	Institution
1. <input type="radio"/>	<input type="text" value="Alessandro"/>	<input type="text"/>	<input type="text" value="Costa"/>	1.
2. <input checked="" type="radio"/>	<input type="text" value="Name"/>	<input type="text"/>	<input type="text" value="Surname"/>	2. ▾
3. <input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	▾

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Auto correct upper-lower case while filling the form.

Institutions

1. Department of Abcd, Xyz University, Venice, Italy
2. Scientific and Technological Research Council of Turkey, Ankara, Turkey

Author Information

e.g.: Ahmet Harim Caglayan
 Please do not use all capitals.

Presenter	First name	Middle name	Last name	Institution
1. <input type="radio"/>	<input type="text" value="Alessandro"/>	<input type="text"/>	<input type="text" value="Costa"/>	1.
2. <input checked="" type="radio"/>	<input type="text" value="Name"/>	<input type="text"/>	<input type="text" value="Surname"/>	2. ▼
3. <input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	▼

Save and Continue

Step 1 | Step 2 | **Step 3** | Step 4 | Step 5 | Step 6 | Step 7 | Step 8 | Step 9 | Step 10

Presentation Options | Institution Information | **Author Information** | Presenting Author Information | Paper Title | Paper | Keywords | Additional Files | Preview & Check | Submit to the Committee

PAPER SUBMISSION

Step 8 / 10: Additional Files

8/10 

Upload figure(s) (Optional)

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Continue

- Step 1: Presentation Options
- Step 2: Institution Information
- Step 3: Author Information
- Step 4: Presenting Author information
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- Step 6: Paper
- Step 7: Keywords
- Step 8: Additional Files**
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Step 8 / 10: Additional Files

8/10 



Upload figure(s)
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- Step 1: Presentation Options
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- Step 4: Presenting Author Information
- Step 5: Paper Title
- Step 6: Paper
- Step 7: Keywords
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PAPER SUBMISSION

Step 10 / 10: Submit to the Committee

10/10 

Paper Ref: 0038

Title of the paper.....

Important notice

Your paper (ref. 0038) has been saved in our archive but the submission has not been completed yet. You can edit your paper until the submission to the Scientific Committee. When you decide to submit the paper please click 'Submit to the Scientific Committee Now' button. **Please note that editing will NOT be possible after this step.**



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PAPER AWARDS

Prizes will be awarded for 20 selected papers in order to increase the scientific level and number of the submitted papers with high level outcomes.

EVALUATION

Step 1: The Chair of the Scientific Committee will rank all the papers based on reviewers' scores.

Step 2: The Governing Committee re-evaluate the top 20 papers.

PAPER AWARDS

Prizes for the top three papers (in Euros).

1. 10,000

2. 7,500

3. 5,000

PAPER AWARDS

Prizes for the papers ranked as from 4 to 20
(in Euros).

4 – 10 . 3,000

11 – 15. 2,000

16 – 20. 1,000



Thank you!



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TURKISH NATIONAL COMMITTEE

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