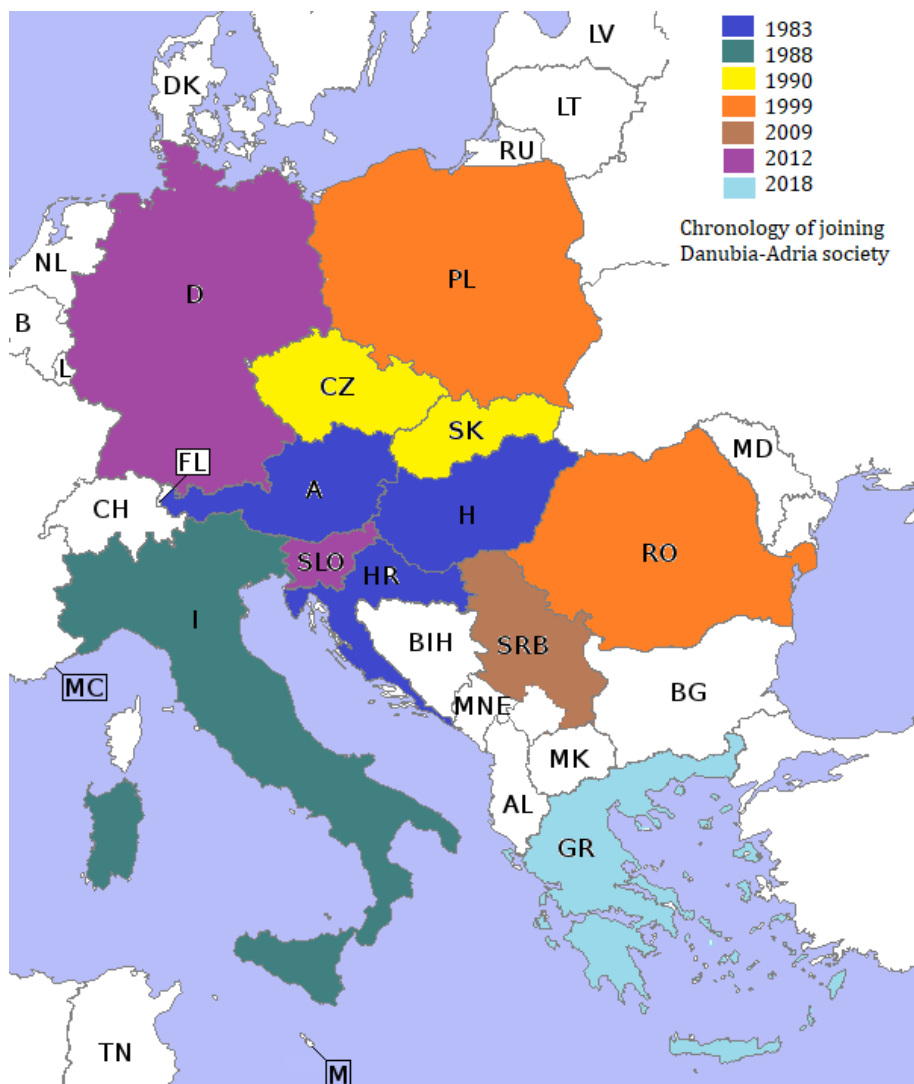


# The story about Danubia-Adria since 2014

Prepared by Stefan-Dan Pastrama (Romania) – Secretary of DAS

With contributions from the members of the scientific committee from: Germany, Slovakia, Slovenia, Italy, Romania, Czech Republic, Austria, Greece, Hungary, Poland



## THE 31<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Kempton, Germany, 2014



The 31<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **148 registered participants** at the Kempten University of Applied Sciences in Kempten (Allgäu). Kempten is situated on the northern edge of the Alps on the banks of the Iller, about 35 km north of Oberstdorf. The Bavarian capital Munich is about 110 km away from Kempten, the administrative district capital Augsburg about 90 km.

A residence of the Alemannic dukes and the Frankish kings, the town was the site of a Benedictine abbey founded (752) and endowed by Hildegard, wife of Charlemagne. The abbey, which was raised to the status of a principality in 1348, was in constant conflict with the town, which was a free imperial city from 1289 and solidly Protestant from 1525. A new town grew up around the abbey in the 17th century, after the Thirty Years' War, and was chartered in 1712. The two towns were united in 1818, after having been absorbed by Bavaria in 1803.

Kempten is the economic, cultural, and communications centre of the Allgäu region and the market for its dairy products (especially cheeses). Locally produced goods include machinery, metal products, electronics, pharmaceuticals, and processed foods. Kempten's historic landmarks include the abbey Church of St. Lorenz (1652), the residence of the prince-abbots (1651–74), the stone town hall (1474), and the Church of St. Mang (Evangelical, 1426, restored). The 18th-century Grain Exchange (Kornhaus) now houses the Allgäu Provincial Museum.



Kempten University of Applied Science trains students in the fields of engineering, business administration and tourism management, computer science and multimedia and social and health studies. Each year, over 6,000 candidates apply for a place in Kempten and this figure is growing. Some 6,000 students are currently enrolled in our 18 Bachelor and 13 Master's degree courses. 140 full-time professors give the majority of the lectures, supported by some 200 assistant lecturers from industry. Kempten University of Applied Sciences has a particular focus on practice and international aspects. A wide range of partnerships with business provide an excellent framework for applied study.

Students have the chance to spend part of their degree abroad at one of around 80 partner universities across the world.

## FIRST ANNOUNCEMENT / CALL FOR PAPERS



# 31<sup>st</sup> DANUBIA-ADRIA SYMPOSIUM

on Advances in Experimental Mechanics

24<sup>th</sup>-27<sup>th</sup> September 2014  
 Kempten, Germany

### Organized by

VDI/VDE-GMA Society for Measurement and Automatic Control and Division 2.10 Experimental Structure Analysis / Structural Health Monitoring (GESA)

### In Cooperation with

Kempten University of Applied Sciences and BAM  
 Federal Institute for Material Research and Testing

### Co-organized by

**Austrian** Society of Experimental Strain Analysis (ASESA)

**Croatian** Society of Mechanics (HDM)

**Czech** Society of Mechanics (CSM)

**Hungarian** Scientific Society of Mechanical Engineering (GTE)

**Italian** Association for Stress Analysis (AIAS)

**Polish** Committee for Mechanics of the Polish Academy of Sciences (KMPAN)

**Romanian** Association for Stress Analysis (ARTENS)

**Serbian** Society of Mechanics (SSM)

**Slovak** Society of Mechanics (SSM)

**Slovenian** Society of Experimental Mechanics (SSEM)

### Honorary Associate

K.-H. Laermann (Wuppertal)



### Scientific Committee

<b>Austria:</b>	J. Eberhardsteiner (Vienna) W. Eichlseder (Leoben)
<b>Croatia:</b>	L. Krstulović-Opara (Split) D. Semenski (Zagreb)
<b>Czech Republic:</b>	F. Plánicka (Plzen) M. Ružicka (Prague)
<b>Germany:</b>	W. Daum (Berlin)
<b>Hungary:</b>	L. Borbás (Budapest) R. Kiss (Budapest)
<b>Italy:</b>	F. Cosmi (Trieste) G. Nicoletto (Parma)
<b>Poland:</b>	Z. Kowalewski (Warsaw) M. Szota (Wroclaw)

### National Program Committee

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Opening ceremony



Poster session



Plenary session



Gala dinner

Country	No. of papers	No. of participants
Argentina	1	1
Austria	12	12
Croatia	3	6
Czech Republic	11	12
France	1	1
Germany	45	59
Hungary	4	7
Italy	3	3
Poland	20	25
Romania	3	4
Serbia	7	7
Slovakia	5	8
Slovenia	1	1
Turkey	1	2
<b>Total</b>	<b>117</b>	<b>148</b>

## THE 32<sup>nd</sup> DANUBIA-ADRIA SYMPOSIUM

Starý Smokovec, Slovakia, 2015



Starý Smokovec (990 m. above sea level) was founded in the year 1793 and is at present a part of the town of Vysoké Tatry (High Tatras) in northern of Slovakia. Its name is pronounced approximately „Star-EE Smoke-oh-vets", meaning „Old Smokovec". The Old Smokovec is the oldest tourist-recreational area in the High Tatras. It is situated in the southern slope of the Slavkovský Peak (2452 m). The Old Smokovec is a popular tourist destination, is connected by funicular with Hrebienok (1285 m) which serves as a starting point for hikes and mountainners to the central part of the High Tatras. Current development of the Old Smokovec is characterised by the expansion of hotel-restaurant facilities, services, bussiness and traffic networks. Among at the more important buildings in the district is Grand Hotel Bellevue\*\*\*\* (1010 m) where the 32<sup>nd</sup> Danubia-Adria Symposium on Advances in Experimental Mechanics took place. The Grand Hotel Bellevue\*\*\*\* is located in a place called „Nice Lookout". In the frame of symposium the participants

visited the Kežmarok (Kings' city with Castle) and social evening .... it was typical Slovak chalet („Bandit Chalet") with folk music and culinary specialities.

The 32<sup>nd</sup> Danubia-Adria Symposium took place at Grand Hotel Bellevue\*\*\*\* in Old Smokovec.



High Tatras



Old Smokovec



Grand Hotel Bellevue\*\*\*\*



**32<sup>nd</sup> DANUBIA-ADRIA SYMPOSIUM**  
on Advances in Experimental Mechanics

**Organized by:**

University of Žilina, Žilina, Slovakia

**Co-organized by:**

Austrian Society of Experimental Strain Analysis (ASESA)  
Committee for Mechanics the Polish Academy of Sciences (KMPAM)  
Croatian Society of Mechanics (HDM)  
Czech Society of Mechanics (CSM)  
German Society of Experimental Structural Analysis (GESA)  
Hungarian Scientific Society of Mechanical Engineering (GTE)  
Italian Association for Stress Analysis (AIAS)  
Romanian Association for Stress Analysis (ARTENS)  
Serbian Society of Mechanics (SSM)  
Slovak Society of Mechanics (SSM)  
Slovenian Society of Experimental Mechanics (SSEM)

**Scientific Committee**

<b>Austria:</b> (Vienna) J. Eberhardsteiner (Leoben) W. Eichlseder	<b>Poland:</b> (Wroclaw) M. Szata (Warszaw) Z. Kowalewski
<b>Croatia:</b> (Split) L. Krstulović - Opara (Zagreb) D. Semenski	<b>Romania:</b> (Bucharest) D. M. Constantinescu (Bucharest) S. D. Pastrama
<b>Czech Republic:</b> (Pizeň) F. Plánička (Prague) M. Růžička	<b>Serbia:</b> (Belgrade) M. Ognjanović (Kragujevac) M. Zivković
<b>Germany:</b> (Berlin) W. Daum (Chemnitz) M. Stockmann	<b>Slovakia:</b> (Žilina) O. Bokúvka (Žilina) P. Palček
<b>Hungary:</b> (Budapest) L. Borbás (Budapest) R. Kiss	<b>Slovenia:</b> (Ljubljana) I. Emri (Ljubljana) A. Nikonov
<b>Italy:</b> (Trieste) F. Cosmi (Pama) G. Nicoletto	

**Honorary Members of International Scientific Committee**

I. Alfrević (HR); R. Beer (AT); R. Bedzinski (PL); A. Freddi (IT); K. – H. Laermann (DE); S. Jecić (HR); S. Holý (CZ); N. Iliescu (RO); F. Thamm (HU); (†) I. Pastrav (RO)

**Local Organizing Committee**

O. Bokúvka; T. Čorejová; P. Palček; M. Chalupová; E. Tillová; M. Sága; T. Liptáková;  
L. Kuchariková; J. Belan; M. Uhrčík; A. Vaško; V. Zatkaliková; R. Poprocký

**32<sup>nd</sup> DANUBIA – ADRIA SYMPOSIUM**  
on Advances in Experimental Mechanics

**DANUBIA**  
**DR**  
**SLOVAKIA**  
**A**

FIRST ANNOUNCEMENT / CALL FOR CONTRIBUTIONS  
22<sup>nd</sup> – 25<sup>th</sup> September 2015

GRAND Hotel Bellevue  
Starý Smokovec, High Tatras, SLOVAKIA

[www.des-2015.com](http://www.des-2015.com)

The First Announcement



Kežmarok Castle



Bandit Chalet



Opening ceremony



Participants of DAS 2015

Country	No. of papers	No. of authors
Austria	8	24
Croatia	1	1
Czech Republic	7	22
Germany	14	50
Hungary	8	24
Italy	3	10
Poland	18	63
Portugal	0	1
Romania	5	24
Serbia	5	19
Slovakia	16	44
Slovenia	4	13
USA	0	1
<b>Total</b>	<b>89</b>	<b>296</b>

The above table was compiled based on the country of establishment of the first author of each contribution. On top of the countries listed above, two second authors come from Portugal and USA

## THE 33<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Portorož, Slovenia, 2016



The 33<sup>rd</sup> Danubia Adria Symposium on Experimental Mechanics started on 20<sup>th</sup> September, 2016 in Grand Hotel Bernardin (\*\*\*\*\*), in Portorož, Slovenia. It lasted till 23<sup>rd</sup> of September and accepted 103 participants including 22 students. Scientists from 13 countries presented 84 contributions during the meeting. This year in addition to traditional topics the symposium included Mechanics of time-Dependent Materials. During the symposium participants visited famous Salina Nature Park, walked through the salt beds, and got acquainted with a traditional medieval method of producing salt.

Portorož translated as “Port of roses”, is located on the Adriatic sea coast is among the biggest resorts in Slovenia. Close to Salina Natural Park Portorož is known for its thermal pools from XIII century. In a walking distance from Portorož there is a medieval town of Piran, which history goes up to pre-roman period. This area has been under rule of Roman empire already from I century BC, while the town was first mentioned in history in the VII century under rule of Byzantine. For almost 500 years it was under the republic of Venice. And in the end of XVIII century started changing hosts: Austrian Empire, Napoleonic Empire, Austro-Hungarian Empire, Italy, Yugoslavia and finally Slovenia. In Piran you can visit the medieval walls from XV century, climb up the bell tower of the Church of St. George and of course enjoy the view of Tarnini square named after Giuseppe Tartini, a famous violinist who grew up in Piran.



Tartini square, Piran



Grand Hotel Bernardin



View of Piran from medieval wall





**33<sup>rd</sup> Danubia Adria  
Symposium on  
Advances in  
Experimental  
Mechanics**

Portorož, Slovenia,  
September 20-23, 2016



### Scientific Committee

Country	Person
Austria	J. Eberhardsteiner (Vienna) W. Eichlseder (Leoben)
Croatia	L. Krstulović-Opara (Split) D. Semenski (Zagreb)
Czech Republic	F. Plánička (Plzen) M. Růžička (Prague)
Germany	W. Daum (Berlin) M. Stockmann (Chemnitz)
Hungary	L. Borbás (Budapest) R. Kiss (Budapest)
Italy	F. Cosmi (Trieste) G. Nicoletto (Parma)
Poland	Z. Kowalewski (Warsaw) M. Szata (Wroclaw)
Romania	D.M. Constantinescu (Bucharest) S. D. Pastrama (Bucharest)
Serbia	M. Ognjanović (Belgrade) M. Zivković (Kragujevac)
Slovakia	O. Bokúvka (Zilina) P. Palček (Zilina)
Slovenia	I. Emri (Ljubljana) A. Nikonov (Ljubljana)

### Honorary Members of Scientific Board (September 2015)

I. Alfirević (Zagreb), S. Jecić (Zagreb),  
R. Beer (Vienna), R. Bedzinski (Wroclaw),  
A. Freddi (Bologna), S. Holý (Prague), N. Iliescu (Bucharest), (†) I. Pastrav (Cluj-Napoca), K. –  
H. Laermann (Wuppertal), F. Thamm (Budapest)

### Organizers

Slovenian Society of Experimental Mechanics (SSEM) jointly with Center for Experimental Mechanics (CEM), Faculty of Mechanical Engineering, University of Ljubljana and Institute for Sustainable Innovative Technologies (ISIT) in collaboration with:

- ♦ Austrian Society of Experimental Stress Analysis (ASESA)
- ♦ Croatian Society of Mechanics (HDM)
- ♦ Czech Society of Mechanics (CSM)
- ♦ German Society of Experimental Structural Analysis (GESA)
- ♦ Hungarian Scientific Society of Mechanical Engineering (GTE)
- ♦ Italian Association of Stress Analysis (AIAS)
- ♦ Polish Committee for Mechanics of the Polish Academy of Sciences (KMPAN)
- ♦ Romanian Association for Stress Analysis (ARTENS)
- ♦ Serbian Society of Mechanics (SSM)
- ♦ Slovak Society of Mechanics (SSM)

### Local Organizing Committee

- ♦ Igor Emri
- ♦ Anatolij Nikonov
- ♦ Alenka Rogelj
- ♦ Alexandra Aulova

### Flyer of the conference



Scientific committee meeting



Opening ceremony



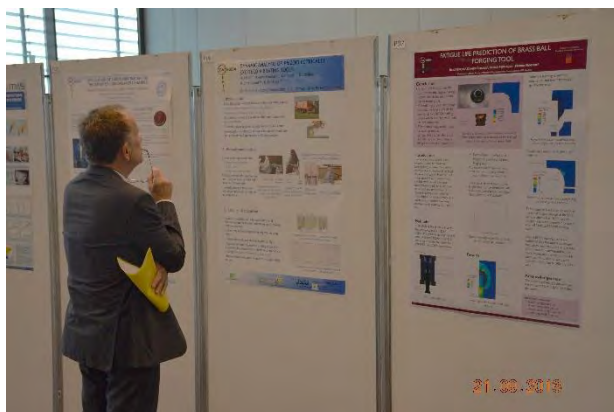
Gala dinner



Excursion in Salina Nature Park



Welcome reception



Poster session

Country	No. of papers	No. of authors
Austria	13	40
Croatia	3	11
Czech Republic	7	21
Germany	9	31
Hungary	3	10
Iran	1	3
Italy	5	12
Japan	1	1
Norway	0	2
Pakistan	0	1
Poland	18	46
Portugal	0	1
Romania	5	17
Serbia	4	8
Slovakia	9	26
Slovenia	7	13
Sweden	0	3
USA	0	1
<b>Total</b>	<b>71</b>	<b>247</b>
<b>Number of participants</b>	<b>103</b>	

The above table was compiled based on the country of establishment of the first author of each presented contribution

# THE 34<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Trieste, Italy, 2017



The 34<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **97 registered participants** in the former Military Hospital in Trieste.

Trieste lies in the northernmost part of the high Adriatic in northeastern Italy, near the border with Slovenia, on the Gulf of Trieste. Built

mostly on a hillside that becomes a mountain, Trieste's urban territory lies at the foot of an imposing escarpment that comes down abruptly from the Karst Plateau towards the sea. Trieste, with its deep-water port, is a maritime gateway for Northern Italy, Germany, Austria and Central Europe, as it was before 1918 and is considered the end point of the



Piazza Unità at night

Maritime Silk Road. Since the 1960s, Trieste, thanks to its many international organizations and institutions, has been one of the most important research locations in Europe, an international school and university city and has one of the highest living standards among Italian cities.

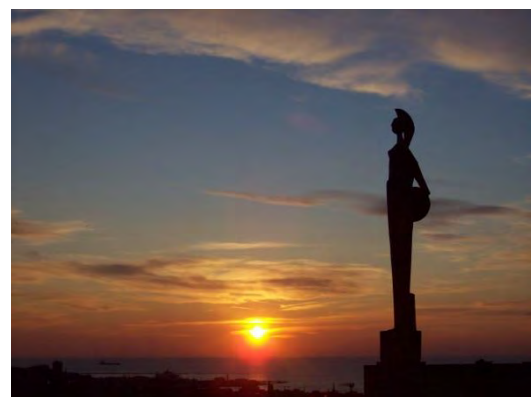


Conference venue

The former Military Hospital was built in 1863 when Trieste was part of the Austro-

Hungarian Empire in an area of the city which, at that time, was not very inhabited. For over a century, the imposing building housed 600 beds and offered treatment and refuge to soldiers. In the late 1980s the Hospital was closed and experienced a long period of neglect and deterioration, until the restoration began in 2006.

The Opening Ceremony was held in the Aula Magna of University of Trieste and followed at sunset by a welcome buffet on the beautiful terrace facing the sea.



Opening Ceremony venue

The Conference Excursion took the Participants the Trieste coast and Miramare Castle.

As an alternative, a technical visit to the Wärtsilä plants in Trieste was possible for the participants.



Miramare Castle, Trieste



Wärtsilä plant visit

### Abstracts Submission

The abstracts can be uploaded through the symposium website or be sent in Word format to the following representatives of your country.

Austria	Prof. Dr. Josef EBERHARDSTEINER, ej@mail.tuwien.ac.at
Croatia	Prof. Dr. Damir SEMENSKI damir.semenski@fsb.hr
Czech Republic	Prof. Dr. Milan RUŽICKA milan.ruzicka@fs.cvut.cz
Germany	Prof. Dr. Werner DALUM werner.daum@bam.de
Hungary	Prof. Dr. Lajos BORBÁS borbas@kge.bme.hu
Italy	Prof. Ing. Francesca COSMI cosmi@units.it
Poland	KOWALEWSKI, Zbigniew L. zkowalew@ippt.gov.pl
Romania	Prof. Dr. Stefan Dan PASTRAMA stefan.pastrama@upb.ro
Serbia	Prof. Dr. Milosav OGNJANOVIC mognjanovic@mas.bg.ac.rs
Slovakia	Prof. Dr. Otakar BOKUVKA, bokuvka@uniza.sk
Slovenia	Prof. Dr. Igor EMRI ie@fs.uni-lj.si

### Symposium Venue



Ex Ospedale Militare - *The Ex Military Hospital*

**RTM Trieste** is a new facility located in the heart of **Trieste**, a short walk from the center of town and the main university departments.

### Accommodation

In **RTM LIVING**, where the Symposium will be held, there is a very limited number of rooms available. <http://www.rtmliving.com/trieste/it/>

Participants may also stay in **Hotel NH\*\*\*\*** situated in city center and at walking distance to the Symposium. <http://www.nh-hotels.com/hotel/nh-trieste>

Trieste offers several solutions like residences, hotels, hostels and B&Bs, so you can find the best solution that suits your pocket.



34TH DANUBIA ADRIA  
SYMPOSIUM ON ADVANCES IN  
EXPERIMENTAL MECHANICS

19-22 September 2017,  
TRIESTE, ITALY



WWW.DAS2017.UNITS.IT

ORGANIZING COMMITTEE

Francesca Cosmi  
Magdalena Tomanik  
Alessandra Nicolosi

CONTACT

WWW.DAS2017.UNITS.IT  
e-mail: [das2017@dia.units.it](mailto:das2017@dia.units.it)

The first announcement



Scientific committee meeting



Welcome Buffet



Plenary session



Gala dinner

Country	No. of papers
Argentina	1
Austria	12
Croatia	3
Czech Republic	8
Germany	12
Hungary	17
Italy	9
Japan	2
Poland	17
Romania	3
Serbia	3
Slovakia	8
Slovenia	3
<b>Total</b>	<b>99</b>

## THE 35<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

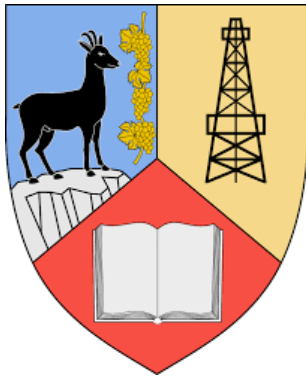
Sinaia, Romania, 2018



The 35<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **98 registered participants** in Hotel International\*\*\*\* in the city of Sinaia, one of the most beautiful mountain resorts in Romania, located 125 km north from Bucharest in a breathtaking mountain scenery.

Sinaia, located in the Prahova County, is the former residence of the Romanian kings, and bears a holy name, that of Sinai Mountain, which was given for the first time to the homonymous monastery in the 17th century.

The resort is situated at an altitude between 798 - 1055 m, on the south-eastern slope of the Bucegi Mountains, along the valley of the Prahova river.



The Peles and Pelisor Castles and the Sinaia monastery are the most important tourist attractions in Sinaia. The Sinaia cable car offers a wonderful journey up to 2000m altitude from where one can admire a great panorama of the Bucegi mountains and the valley of the river Prahova.

Several other attractions can be found near Sinaia: the Bran Castle, known also as Dracula Castle (60km from Sinaia), the medieval city of Brasov (49km from Sinaia), the fortress of Rasnov (50km from Sinaia).



Sinaia – center



Peles Castle



Sinaia Monastery



Dracula Castle, Bran



**35th Danubia Adria Symposium on  
Advances in Experimental Mechanics**  
[www.das2018.ro](http://www.das2018.ro)



**FIRST ANNOUNCEMENT / CALL FOR PAPERS**

**DATES: 25-28 September 2018**

**PLACE: Hotel International, Sinaia, ROMANIA**



**Organized by**

Romanian Association for Stress Analysis – ARTENS

**In cooperation with**

Central Travel

**Co-organized by**

- Austrian Society of Experimental Strain Analysis (ASESA)
- Croatian Society of Mechanics (HDM)
- Czech Society of Mechanics (CSM)
- German Society of Experimental Structural Analysis (GESA)
- Hungarian Scientific Society of Mechanical Engineering (GTE)
- Italian Association for Stress Analysis (ALAS)
- Polish Committee for Mechanics of the Polish Academy of Sciences (KMPAN)
- Serbian Society of Mechanics (SSM)
- Slovak Society of Mechanics (SSM)
- Slovenian Society of Experimental Mechanics (SSEM)

**Scientific committee**

- Austria: J. Eberhardsteiner (Vienna), W. Eichlseder (Leoben), B. Pichler (Vienna)
- Croatia: D. Semenski (Zagreb), L. Krstulovic-Opara (Split)
- Czech Republic: F. Plánicka (Plzen), M. Ružicka (Prague)
- Germany: W. Daum (Berlin), M. Stockmann (Chemnitz)
- Hungary: L. Borbás (Budapest), R. Kiss (Budapest), A. Kossa (Budapest)
- Italy: F. Cosmi (Trieste), M. Guagliano (Milano)
- Poland: Z. Kowalewski (Warsaw), P. Pyrzanowski (Wroclaw)
- Romania: S.D. Pastrama (Bucharest), D.M. Constantinescu (Bucharest)
- Serbia: M. Milos (Belgrade), M. Zivkovic (Kragujevac)
- Slovakia: O. Bokurka (Zilina), E. Tillova (Zilina)
- Slovenia: I. Emri (Ljubljana), A. Nikonov (Ljubljana)

**Honorary members**

- R. Beer (Vienna), I. Alfirevic (Zagreb), S. Jecic (Zagreb), S. Holý (Prague), F. Thamm (Budapest), A. Fredi (Bologna), R. Bedzinski (Wroclaw), N. Iliescu (Bucarest), G. Nicoletto (Parma), M. Szata (Wroclaw), M. Ozmanovic (Belgrade), P. Palcek (Zilina), K.H. Laermann (Wuppertal)

**Local organizing committee**

Stefan Dan Pastrama, Dan Mihai Constantinescu, Dragos Apostol, Emil Nutu – Department of Strength of Materials, University Politehnica of Bucharest  
e-mail: [stefan.pastrama@mpb.ro](mailto:stefan.pastrama@mpb.ro); [dan.constantinescu@mpb.ro](mailto:dan.constantinescu@mpb.ro)



The first announcement



Scientific committee meeting



Hotel International, Sinaia



Plenary session



Gala dinner

Country	No. of papers	No. of authors
Austria	10	29
Belgium	1	6
China	0	2
Croatia	3	6
Czech Republic	6	14
France	0	2
Germany	9	27
Greece	2	8
Hungary	13	28
Italy	5	10
Japan	0	2
Poland	9	20
Romania	33	73
Serbia	6	18
USA	0	3
Total	97	248
<b>Number of participants</b>	<b>98</b>	

The above table was compiled based on the country of establishment of the first author of each contribution



# THE 36<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Plzeň, Czechia, 2019

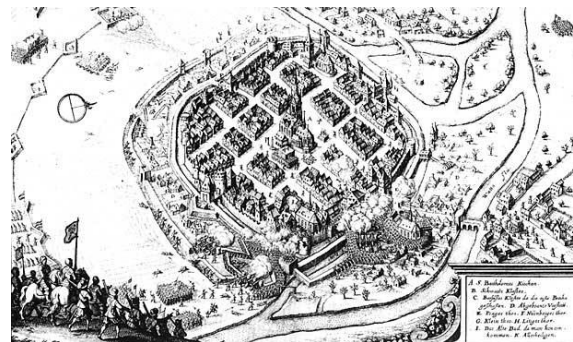


The 36<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held in Parkhotel\*\*\*\* in the city of Pilsen (Plzeň). Pilsen is the fourth largest city in the Czech Republic. It is located in western Bohemia. It is an important industrial, commercial, cultural, and administrative centre.

The city was founded on the confluence of four rivers – Úhlava, Úslava, Radbuza and Mže – by the Czech king Wenceslas II in 1295. Situated on the crossroads of two important trade routes and close to Prague, Pilsen experienced an immediate rapid growth.

The rich cultural and economic standard of life in Pilsen is particularly enhanced by its heritage. In 1989, the ancient town centre was declared a historical landmark to be carefully preserved. The rich architectural gems here include Gothic St. Bartholomew's Cathedral, Renaissance City Hall, Baroque reconstruction of the Archdeacon's house and Franciscan Monastery, and the recently re-opened Great Synagogue of Pilsen. Many Pilsen public buildings, such as the city theatre, museum, the Burgher Hall or houses with Mikolas Ales's sgraffiti, date back to the 19<sup>th</sup> century.

Pilsen experienced a tremendous growth in the first half of the 19<sup>th</sup> century. The City Brewery was founded in 1842 and the Skoda Works in 1859. With the population of 167,000 inhabitants, Pilsen prides itself on being the seat of the University of West Bohemia and also of the Medical Department of the Charles University.



36th Danubia Adria Symposium  
on  
Advances in Experimental Mechanics

[www.das2019.eu.cz](http://www.das2019.eu.cz)

**First announcement**

September 24–27, 2019  
Plzeň (Pilsen), Czechia (Czech Republic)

[www.pilsen.eu](http://www.pilsen.eu)



**Organized by**  
University of West Bohemia, Faculty of Applied Sciences, Department of Mechanics  
[www.famw.zcu.cz](http://www.famw.zcu.cz)  
under the auspices of the Dean of the faculty doc. Dr. Ing. Vlasta Radová

**Key dates**

February 1, 2019  
Opening of abstract submission

April 15, 2019  
Deadline for abstract submission

May 10, 2019  
Notification of acceptance

**Fees**

400 EUR – full (450 EUR after August 31, 2019)  
250 EUR – student, committee, accompanying person (350 EUR after August 31, 2019)  
Included: electronic book of abstracts, welcome reception, coffee breaks, 3 lunches, dinner, gala dinner, trip/excursion

**Venue**

Parkhotel Plzeň Congress Center ★★ ★ ★  
U Borského parku 31, 301 00 Plzeň

Special rates for rooms reserved until July 2018  
60–75 EUR single, 75–90 EUR double (wi-fi, breakfast, fitness, pool, parking)

[www.parkhotel-czech.eu](http://www.parkhotel-czech.eu)



The first announcement



Plenary session and Scientific committee meeting



Visit to the world famous brewery with folk dancing and music by historical bus



Gala dinner and beer tasting in the brewery cellars

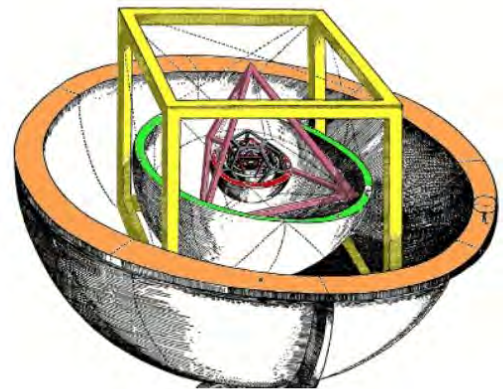
<b>Country</b>	<b>No. of presentations</b>	<b>No. of participants</b>
Australia	1	1
Austria	7	8
Croatia	7	6
Czech Republic	13	21
Germany	12	15
Greece	3	2
Hungary	5	6
India	1	2
Italy	2	4
Japan	1	2
Poland	12	14
Romania	5	5
Serbia	4	5
Slovakia	6	7
Slovenia	2	3
USA	1	1
<b>Total</b>	<b>82</b>	<b>102</b>

## THE 37<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Linz, Austria, 2021 (postponed from 2020)

The 37<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **93 registered participants** at the Johannes Kepler University of Linz, located directly at the river Danube.

Linz is located at the Danube and is the capital of the federal country upper Austria with a lot of industries and a big steel making company, so Linz is a very industrial area.



Some sights in Linz:



Ars Electronica Center- Museum of the Future



Church Pöstlingberg



Excursion to the local steel producer Voestalpine



LD-steelmaking process founded in Linz



The symposium was held at the Johannes Kepler University of Linz



Gala dinner with presentations, young scientist award and information about DAS38



Welcome greetings from the Vice-Rector Prof. A. Bonanni



Scientific committee meeting

Country	No. of papers	No. of authors
Austria	32	120
Croatia	8	28
Czech Republic	7	36
Germany	10	33
Greece	2	10
Hungary	8	34
Italy	0	2
Poland	7	19
Romania	5	23
Serbia	4	17
Slovakia	8	30
Slovenia	3	9
France	0	10
<b>Total</b>	<b>94</b>	<b>361</b>
<b>Number of participants</b>	<b>93</b>	

The above table was compiled based on the country of establishment of the first author of each contribution. Later after the following review process, which was managed by Helmut J. Holl 53 papers have been published in a special issue of Materials Today: Proceedings.

## THE 38<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM Poros island, Greece, 2022

The “38<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics” was held in the “*Amphitheater at Syggrou Building*” in *Poros* island, a small beautiful island very close to Athens.

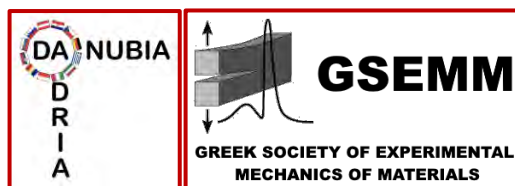
Poros is located in the southern part of the Saronic Gulf. In fact, Poros consists of two islands, separated by a very narrow strait: *Sphaeria* (in Greek: Σφαίρια, pronounced [sfe'ria]), which is the southern part of Poros, it is of volcanic origin and it is the island where today's city is located), and *Kalauveia* (also Kalavria or Calauria), meaning ‘gentle breeze’ (in Greek: Καλαυρία, pronounced [kalav'ria]), which is the northern and largest part. A bridge connects the two islands.

The main sightseeing of Poros (in which visits were organized during the Symposium) include:

- The permanent exhibition “**Shells and the Sea**” (housed in the Hatzopouleios Municipal Library), which is the only comprehensive museum exhibition of its kind displayed in Greece
- The **Archaeological Museum**, the exhibits of which span the Mycenaean Period to the Early Christian era
- The **Zoodohos Pigi** (life-giving spring) **Monastery** of the 18<sup>th</sup> century. The icon of the Zoodohos Pigi was painted around 1850 by the Italian artist Raphael Ceccoli, who is said to have visited the monastery seeking a cure for his young daughter.

The Symposium was attended by 136 registered participants. The final scientific programme of the Symposium included 100 papers (from a total of 119 submissions), presented either in Oral Sessions (11 papers) or in Poster Sessions with Short Oral Presentation (89 Papers).





**Organized by the:**

Greek Society of Experimental Mechanics of Materials (GSEMM)

**In cooperation with the:**

- Austrian Society of Experimental Strain Analysis (ASESA)
- Croatian Society of Mechanics (HDM)
- Czech Society for Mechanics (CSM)
- German Society of Experimental Structural Analysis (GESA)
- Greek Society of Experimental Mechanics of Materials (GSEMM)
- Hungarian Scientific Society of Mechanical Engineering (GTE)
- Italian Association for Stress Analysis (AIAS)
- Polish Committee for Mechanics of the Polish Academy of Sciences (KMPAN)
- Romanian Association of Stress Analysis and Materials Testing (ARTENS)
- Serbian Society of Mechanics (SSM)
- Slovak Society of Mechanics (SSM)
- Slovenian Society of Experimental Mechanics (SSEM)

**Scientific Committee:**

<u>Austria</u> Josef Eberhardsteiner, Vienna Wilfried Eichlleder, Leoben Bernhard Pichler, Vienna	<u>Croatia</u> Damir Semenski, Zagreb Lovre Krstulović-Opara, Split Zvonimir Tomičević, Zagreb	<u>Czech Republic</u> Milan Růžička, Praha Robert Zemčík, Plzeň
<u>Germany</u> Mathias Bartholmai, Berlin Thomas Lehmann, Chemnitz	<u>Greece</u> Stavros Kourkoulis, Athens Ermioni Pasiou, Athens	<u>Hungary</u> Rita Kiss, Budapest Attila Kossa, Budapest
<u>Italy</u> Francesca Cosmi, Trieste Mario Guagliano, Milano	<u>Poland</u> Zbigniew Kowalewski, Warsaw Paweł Pyrzanowski, Warsaw	<u>Romania</u> Dan M. Constantinescu, Bucharest Ștefan Dan Pastramă, Bucharest Adrian Pascu, Sibiu
<u>Serbia</u> Marko Miloš, Belgrade Miroslav Živković, Kragujevac Vladimir Milovanović, Kragujevac	<u>Slovakia</u> František Nový, Žilina Eva Tillová, Žilina	<u>Slovenia</u> Igor Emri, Ljubljana Anatolij Nikonov, Novo mesto



### **Local Organizing Committee (The Board of GSEMM):**

- Stavros K. Kourkoulis, Professor, National Technical University of Athens, President
- Dimitrios Karalekas, Professor, University of Piraeus, Vice President
- Dimos Triantis, Professor, University of West Attica, Treasurer
- Ermioni Pasiou, Asst. Professor, National Technical University of Athens, General Secretary
- Nikolaos Alexopoulos, Ass. Professor, University of the Aegean, Member
- Ioannis Karatasios, Researcher, NCSR Democritos, Member
- Dimitrios Manolakos, Professor, National Technical University of Athens, Member
- Christos Markides, PhD, National Technical University of Athens, Member
- Ilias Stavrakas, Professor, University of West Attica, Member

### **Technical Support:**

- Dr Andronikos Loukidis
- Mr Ioannis Christakis
- Mr Dionysios (Sakis) Bagris



**The Venue: Syggrou building**



**Poster session**



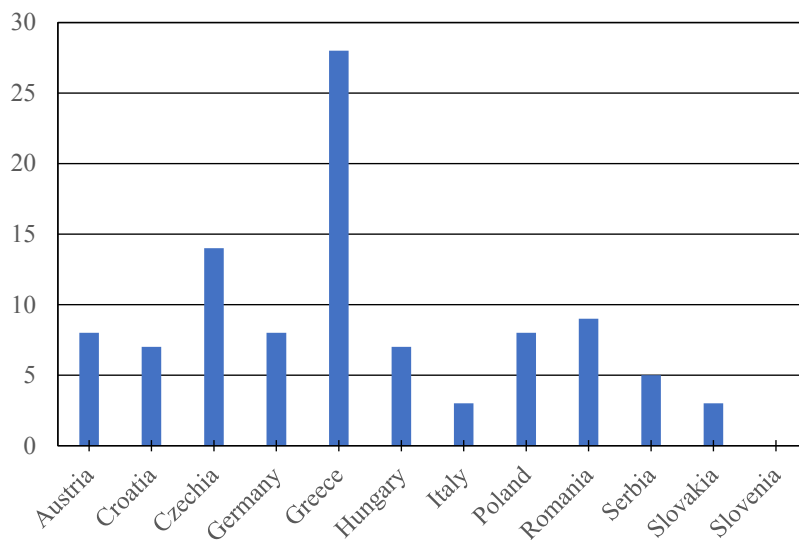
**Oral sessions**



**Gala Dinner**



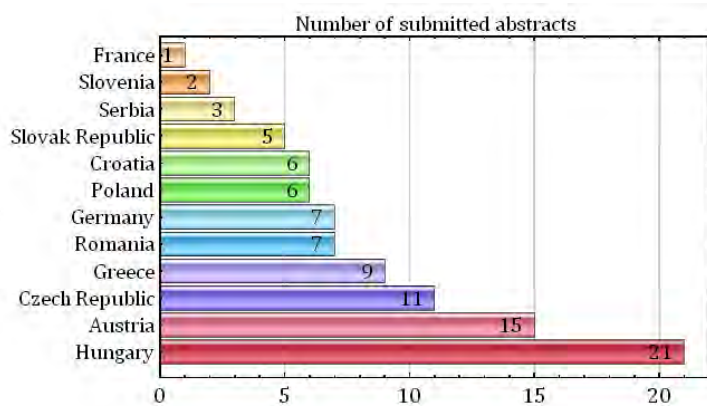
**Closing Session and Awards Ceremony**



**Number of papers presented by country**

# THE 39<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Siófok, Hungary, 2023



The 39<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **120 registered participants** in Hotel Magistern in the city of Siófok, which is often considered as the capital of Lake Balaton. A total of 12 countries were represented at the event with scientific presentations.

Siófok is a town in Somogy County, Hungary on the southern bank of Lake Balaton. It is the second largest municipality in Somogy County and the seat of Siófok District. It covers an area of about 124.66 km<sup>2</sup> (48.13 square miles) between Lake Balaton, the Mezőföld and the Outer Somogy-Hills. Lying at the firth of the Sió Channel, it serves as the most important logistic station for goods between Lake Balaton and the River Danube.



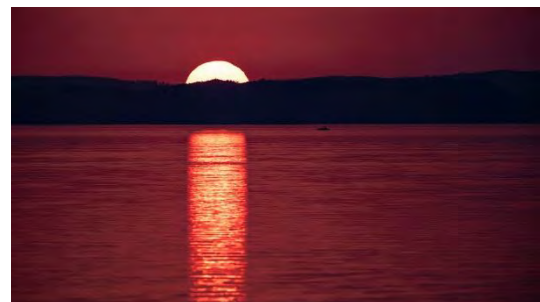
Lake Balaton



Bird's Eye View of Siófok



Hotel Magistern



Sunset at Lake Balaton

As in previous years, researchers and PhD students presented their new scientific findings in a dedicated session at the conference. The short poster presentation talks were followed by poster presentations, where participants had the opportunity to engage in professional consultations. In addition to the short presentations, there were a total of 11 keynote lectures. On Thursday afternoon, the organizers arranged a boat excursion on Lake Balaton as part of the conference. Fortunately, the

weather was favorable, allowing participants to enjoy a few hours of relaxation under sunny and warm conditions. During the gala dinner, we were treated to a traditional Hungarian folk dance performance.



Presentation room



Scientific Committee



Boat excursion



Hungarian folk-dance performance

**Scientific Program - Overview**

39th Danubia Adria Symposium on Advances in Experimental Mechanics  
Sep 26-29, Siófok, Hungary

		Sep 26 TUE	Sep 27 WED	Sep 28 THU	Sep 29 FRI		
	00-15					00-15	
8-9	15-30					15-30	
	30-45		Opening			30-45	
	45-00					45-00	
9-10	00-15		KEYNOTE 1 (3 lectures)	KEYNOTE 3 (3 lectures)	KEYNOTE 4 (2-3 lectures)	00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	
10-11	00-15		Coffee Break	Coffee Break	Coffee Break	00-15	
	15-30					15-30	
	30-45		Poster Pres. 1 (15 lectures)	Poster Pres. 4 (15 lectures)	Poster Pres. 5 (22 lectures)	30-45	
	45-00					45-00	
11-12	00-15		Poster 1	Poster 4		00-15	
	15-30				Poster 5	15-30	
	30-45					30-45	
	45-00					45-00	
12-13	00-15		Lunch	Lunch	Closing	00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	
13-14	00-15		KEYNOTE 2 (3 lectures)		Lunch	00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	
14-15	00-15		Coffee Break			00-15	
	15-30					15-30	
	30-45		Poster Pres. 2 (15 lectures)	Excursion Balaton Boat Trip		30-45	
	45-00					45-00	
15-16	00-15		Poster 2				00-15
	15-30						15-30
	30-45		Coffee Break			30-45	
	45-00					45-00	
16-17	00-15	Registration				00-15	
	15-30						15-30
	30-45						30-45
	45-00						45-00
17-18	00-15		Poster Pres. 3 (15 lectures)			00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	
18-19	00-15		Poster 3			00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	
19-20	00-15	Welcome reception	Meeting of the Scientific Committee			00-15	
	15-30						15-30
	30-45						30-45
	45-00						45-00
20-21	00-15		Dinner	Banquet & Dinner		00-15	
	15-30					15-30	
	30-45					30-45	
	45-00					45-00	

## THE 40<sup>th</sup> DANUBIA-ADRIA SYMPOSIUM

Gdańsk, Poland, 2024



The 40<sup>th</sup> Danubia Adria Symposium on Advances in Experimental Mechanics was held with **126 registered participants** in Gdańsk University of Technology.

Gdańsk is a city on the Baltic coast of northern Poland, and the capital of the Pomeranian Voivodeship. Gdańsk is home to the University of Gdańsk, Gdańsk University of Technology, the National Museum, the Gdańsk Shakespeare Theatre, the Museum of the Second World War, the Polish Baltic Philharmonic, the Polish Space Agency and the European Solidarity Centre. Among Gdańsk's most notable historical landmarks are the Town Hall, the Green Gate, Artus Court, Neptune's Fountain, and St. Mary's Church, one of the largest brick churches in the world. The city is served by Gdańsk Lech Wałęsa Airport, the country's third busiest airport and the most important international airport in northern Poland.

Gdańsk belongs to the most visited cities in Poland, having received 3.4 million tourists per year according to data collected in 2019. The city also hosts St. Dominic's Fair, which dates back to 1260, and is regarded as one of the biggest trade and cultural events in Europe. Gdańsk has also topped rankings for the quality of life, safety and living standards worldwide, and its historic city center has been listed as one of Poland's national monuments.



Gdańsk Old Town



Pobrzeże Street on the Motława River



**40th DAS**

Institute of Fundamental Technological Research of the Polish Academy of Sciences & Gdańsk University of Technology

**40th DANUBIA-ADRIA SYMPOSIUM**  
ON ADVANCES IN EXPERIMENTAL MECHANICS

September 24-27, 2024  
Gdańsk, Poland

**FIRST ANNOUNCEMENT**

**THE NATIONAL SOCIETIES OF THE DAS**

- Austrian Society of Experimental Strain Analysis (ASESA)
- Croatian Society of Mechanics (HDM)
- Czech Society for Mechanics (CSM)
- German Society of Experimental Structural Analysis (GESA)
- Greek Society of Experimental Mechanics of Materials (GSEMM)
- Hungarian Scientific Society of Mechanical Engineering (GTE)
- Italian Association for Stress Analysis (AIAS)
- Polish Committee for Mechanics of the Polish Academy of Sciences (KMPAN)
- Romanian Association of Stress Analysis and Materials Testing (ARTENS)
- Serbian Society of Mechanics (SSM)
- Slovak Society of Mechanics (SSM)
- Slovenian Society of Experimental Mechanics (SSEM)

**GENERAL**

Danubia-Adria Symposia have a long tradition and they are organized under the auspices of the Danubia-Adria Society (DAS) on Experimental Mechanics founded in 1952.

DA brings together internationally recognized experts and visiting researchers in an effort to exchange ideas in different topics having the common link „Experimental Mechanics“. DA acts also as a platform for establishing connections between different research teams that are trying to build and develop future scientific collaboration.

The 40th Danubia-Adria Symposium on Advances in Experimental Mechanics will be held on September 24 – 27, 2024 in Gdańsk, for the third time in Poland. The Conference will be focused on experimental and measuring techniques for thorough study of the mechanical properties of different materials, engineering structures and systems which are necessary to resolve the physical bases and provide verification of analytical or numerical methods in engineering design. The official language of the Symposium is English.

**VENUE**

Gdańsk University of Technology, ul. Narutowicza 11/12, Gdańsk, 10 min drive from the city center by public transportation.

**120** LAT

**GDANSK**

GDANSK is a beautiful city with a rich history and a vibrant atmosphere. It is a perfect location for the 40th Danubia-Adria Symposium. The city is known for its architecture, culture, and scenic views. It is a great place to visit and enjoy during your stay.

**ABSTRACTS**

Abstracts should be submitted electronically on-line via <http://das2024.pl>. Two-page conference-ready extended abstracts in English according to Word template available by June 30, 2024.

We encourage all the authors to submit full length papers prior to the conference for publication within the framework of a usual peer review procedure in Journal of Theoretical and Applied Mechanics.

**CONFERENCE FEE (EURO)**

TYPE OF REGISTRATION	before 30.06.24	after 30.06.24
Full	500	600
Student	350	450
IC Member	350	450
Accompanying person	350	450

Registration fee includes: welcome reception, banquet, participation in all sessions, coffee and beverages during each day, lunches, excursion, conference materials.

Student fee is possible for students and junior scientists who have submitted an abstract and special application form, which should be sent to the chairman of the Conference until May 31, 2024.

**TENTATIVE PROGRAM**

	Sep 24 Tuesday	Sep 25 Wednesday	Sep 26 Thursday	Sep 27 Friday
Morning	Chair & Poster presentations	Chair & Poster presentations	Chair & Poster presentations	Chair & Poster presentations
Noon	Lunch	Lunch	Lunch	Lunch
Afternoon	Chair & Poster presentations	Chair & Poster presentations	Excursion	
Evening				Reception

**SCIENTIFIC COMMITTEE**

- Alexander Eder (Austria), Wilfried Eichstaedt (Austria), Benoit Pijaud (France)
- Ernst Bacher (Austria), Lovro Branković (Croatia), Annette Brückner (Czech Republic), Václav Brázdil (Czech Republic), Robert Dyrlik (Germany), Vladimir Gavrilin (Ukraine), Thomas Lehmann (Germany), Stanislav Kopylov (Russia), Emilian Pavlov (Hungary), Václav Kocourek (Czech Republic), Mária Gungl (Slovakia), Zdeněk Kozulović (Slovakia), Zvezdan Pijunović (Bosnia and Herzegovina), Dan Aghaj (Czech Republic), Jozsef Dás (Hungary), Adria Viana (Spain), Mirko Milić (Serbia), Vladimir Željović (Serbia), Miroslav Jelić (Croatia), Štefanek Frantisek (Slovakia), Ewa Filipowicz (Poland), Sławomir Knap (Poland), Andrzej Kijowski (Poland), Heli Kallunki (Finland)

**LOCAL ORGANIZING COMMITTEE**

- Zdzisław Kowalczyk – Chairman of the Symposium
- Pawel Pijunowski – Vice-Chairman
- Maksym Kozak – Scientific Secretary
- Katarzyna Polka, Dorota Kubiak, Barbara Szymczak, Jacek Wójtowicki, Witold Wójcik – Management Assistants

**SYMPOSIUM CONTACT**

Institute of Fundamental Technological Research of the Polish Academy of Sciences  
ul. Pawilskiego 36, 02-106 Warszawa, POLAND  
Phone: +48 22 624 95 34, Fax: +48 22 624 95 13  
e-mail: [gdansk-adria2024@ippt.pan.pl](mailto:gdansk-adria2024@ippt.pan.pl)  
website: <http://das2024.pl>

**CONGRESS BUREAU**

CONGRESS BUREAU  
JORDAN  
Congress Bureau Jordan  
22/3 Sotnikovo St.  
31-136 Kraków, Poland  
Phone: +48 12 343 44 40  
<https://kongres.jordan.pl>  
bureau.congress@jordan.pl

40<sup>th</sup> Danubia Adria Symposium first announcement



Artus Court



Puerta Alta



Gdańsk Shipyard



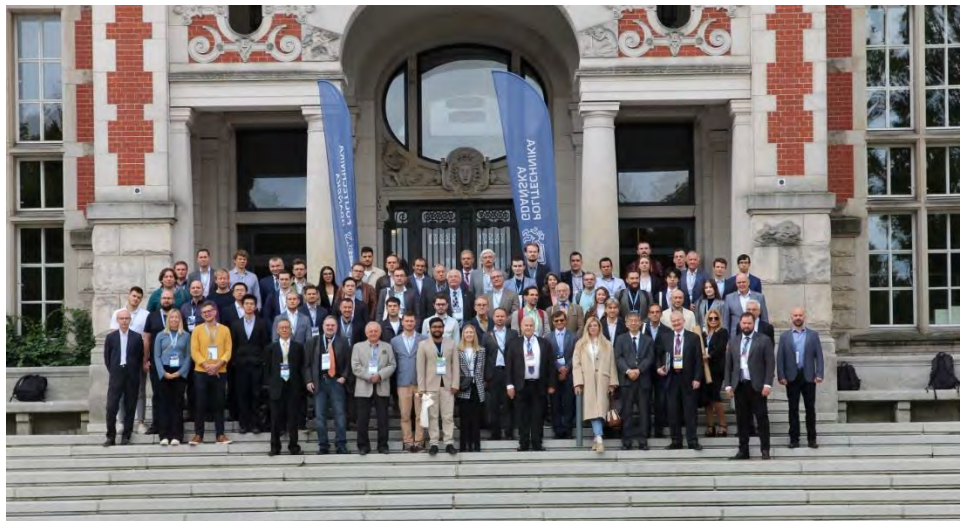
Seaside of the Baltic Sea



Scientific Committee meeting



Gala Dinner in the Artus Court



Participants of 40<sup>th</sup> DAS in front of the Main Building of Gdańsk University of Technology

Statistics of the 40<sup>th</sup> Danubia Adria Symposium

Country	Number of participants registered	Number of participants present	Number of presentations	Number of authors
Austria	9	9	8	24
Brasil	1	1	2	1
China	4	4	2	4
Croatia	4	4	3	6
Czech Republic	11	10	10	26
France	0	0	0	1
Germany	5	4	3	8
Greece	4	3	6	19
Hungary	11	10	9	13
Italy	2	2	1	5
Japan	2	2	2	4
Poland	35	33	27	66
Romania	9	9	8	20
Serbia	8	6	3	12
Slovakia	9	9	7	18
Slovenia	3	3	3	11
Spain	0	0	0	1
UK	2	2	2	4
USA	0	0	0	1
Sponsors	7	7	3	5
Total	126	118	99	249



**THE 41<sup>st</sup> DANUBIA-ADRIA SYMPOSIUM**

**Kragujevac, Serbia, 2025**

**To follow**