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**Applied Mechanics 2025**  
Conference Proceedings

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**26<sup>th</sup> International Conference Applied Mechanics 2025**  
Conference Proceedings

**Editors:** Luboš Náhlík  
Radek Kubíček  
Jan Poduška

1<sup>st</sup> edition

**Ústav fyziky materiálů AV ČR, v. v. i.**

Brno

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## About the Conference

The event is a part of the well-known Applied Mechanics series. These conferences aim to provide a platform mainly for PhD students and early-career researchers to present their scientific work in the field of applied mechanics and foster academic exchange. The organizers invite any researchers, scientists, and academic professionals in the field who are interested in supporting and engaging with the contributions of emerging scholars.

### Conference Scope

- dynamics
- experimental mechanics
- noise and vibrations
- multibody dynamics
- computational mechanics
- biomechanics
- fluid mechanics
- mechatronics
- strength of materials, creep, plasticity
- fracture mechanics and fatigue
- durability and reliability of structures
- structural mechanics

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## Preface

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prof. Ing. Luboš Náhlík  
*chairman of the conference*

## Applied Mechanics Series

<i>No.</i>	<i>Conference</i>	<i>Date</i>	<i>Place</i>	<i>Organizing Institution</i>	
1 <sup>st</sup>	AM 1999	March 16–18	Brno	IPM CAS, Brno	CZ
2 <sup>nd</sup>	AM 2000	April 3–6	Liberec	FME TUL, Liberec	CZ
3 <sup>rd</sup>	AM 2001	April 2–5	Nečtiny	FAS UWB, Pilsen	CZ
4 <sup>th</sup>	AM 2002	April 8–11	Ostrava	FME VŠB-TUO, Ostrava	CZ
5 <sup>th</sup>	AM 2003	March 24–27	Jaworzynka	FME SUT, Gliwice	PL
6 <sup>th</sup>	AM 2004	March 22–25	Kočovce	FEI SUT, Bratislava	SK
7 <sup>th</sup>	AM 2005	March 29–April 1	Hrotovice	IPM CAS, Brno	CZ
8 <sup>th</sup>	AM 2006	April 3–5	Srní	FAS UWB, Pilsen	CZ
9 <sup>th</sup>	AM 2007	April 16–19	Malenovice	FME VŠB-TUO, Ostrava	CZ
10 <sup>th</sup>	AM 2008	April 7–10	Wisła	FME SUT, Gliwice	PL
11 <sup>th</sup>	AM 2009	April 6–8	Smolenice	FEI SUT, Bratislava	SK
12 <sup>th</sup>	AM 2010	April 19–21	Jablonec and Nisou	FME TUL, Liberec	CZ
13 <sup>th</sup>	AM 2011	April 18–20	Velké Bílovice	IPM CAS, Brno	CZ
14 <sup>th</sup>	AM 2012	April 16–18	Plzeň	FAS UWB, Pilsen	CZ
15 <sup>th</sup>	AM 2013	April 15–18	Velké Karlovice	FME VŠB-TUO, Ostrava	CZ
16 <sup>th</sup>	AM 2014	April 14–16	Kraków	FME SUT, Gliwice	PL
17 <sup>th</sup>	AM 2015	April 13–15	Kutná Hora	FME CTU, Prague	CZ
18 <sup>th</sup>	AM 2016	April 11–13	Banská Štiavnica	FEI SUT, Bratislava	SK
19 <sup>th</sup>	AM 2017	April 25–27	Brno	IPM CAS, Brno	CZ
20 <sup>th</sup>	AM 2018	April 9–11	Myslovice	FAS UWB, Pilsen	CZ
21 <sup>st</sup>	AM 2019	April 15–17	Ostravice	FME VŠB-TUO, Ostrava	CZ
22 <sup>nd</sup>	AM 2021	April 22	Liberec (online)	FME TUL, Liberec	CZ
23 <sup>rd</sup>	AM 2022	April 4–6	Liblice	FME CTU, Prague	CZ
24 <sup>th</sup>	AM 2023	April 19–21	Piešťany	FEI SUT, Bratislava	SK
25 <sup>th</sup>	AM 2024	April 17–19	Štrbské Pleso	FME UZ, Žilina	SK
<b>26<sup>th</sup></b>	<b>AM 2025</b>	<b>April 28–30</b>	<b>Mikulov</b>	<b>IPM CAS, Brno</b>	<b>CZ</b>

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