

**Proposal for a Course to be held at the
International Centre for Mechanical Sciences (CISM)**

(Proponents should read the GUIDELINES FOR PROPOSERS
to be downloaded from <https://www.cism.it/en/activities/Proposal/>)

Proponent: *(Name, Affiliation, address)*

Course Title *(not more than 10 words):*

Disciplines *(see attached list of disciplines codes (1))*

Keywords *(suggest up to five keywords related to the contents of your proposal):*

Dates *(see attached list of available dates)*

First choice:

Second choice:

Coordinator(s): *(usually the proponent acts as coordinator. There may be two coordinators - but not more than two)*

1. Family name, First name:

Affiliation and address:

Phone:

E-mail:

Web page:

2. Family name, First name:

Affiliation and address:

Phone:

E-mail:

Web page:

PROPOSED LECTURERS *(tentatively):*
(not more than six as a rule, including the Coordinator/s)

Name, affiliation, subject of the lectures, number of lectures and brief indication of the contents of the individual lectures each lecturer would present *(extend space for writing if necessary):*

1.

Affiliation and address:

Phone:

E-mail:

Web page:

2.

Affiliation and address:

Phone:

E-mail:

Web page:

3.

Affiliation and address:

Phone:

E-mail:

Web page:

4.

Affiliation and address:

Phone:

E-mail:

Web page:

5.

Affiliation and address:

Phone:

E-mail:

Web page:

6.

Affiliation and address:

Phone:

E-mail:

Web page:

PROPOSAL ABSTRACT:

Aim and detailed description of the course (extend space for writing - no less than one page, no more than two).

Poster /workshop:

A time slot on the first or second day for a short "poster/workshop" session might be included, in which the participants are invited to introduce themselves and to present their current research project.

The course is addressed to *(kinds of attendees particularly expected: doctoral students, young researcher, senior researchers, practicing engineers, technologists, others):*

Promotion of the course

A CISM course is supposed to gather between 30 and 40 participants.

The proactive help of the Coordinator(s) and the Lecturers is crucial to reach this number. Based on our experience, the Coordinator(s) and the Lecturers can effectively promote their courses by encouraging their students to attend as this represents a valuable opportunity to learn from experts in the field, and by advertising their courses among colleagues and collaborators.

Publication and dissemination

All lectures could be recorded together with the presentation slides. These recordings will be used by CISM for dissemination purposes.

In addition, CISM aims to publish a bound volume containing the proceedings of the course. This volume will appear in the series of CISM books "Courses and Lectures" published and distributed by Springer.

Therefore, the course coordinators are kindly requested to take the role of book editor and all lecturers are kindly requested to publish the lecture notes, possibly revised and expanded, in the book.

Do you accept the commitments of being editor? Yes ☐ No ☐

Date and Signature of the Proponent(s):

Below you will find in black the remaining available dates for 2027.

If you encounter any difficulties, please contact the CISM secretariat at cism@cism.it.

(Kindly indicate your 1st and 2nd choice)

1 st	2 nd	
☐	☐	<i>(April 05 - 09)</i>
☐	☐	<i>(April 12 - 16)</i>
☐	☐	<i>(April 19 - 23)</i>
☐	☐	<i>(April 26 - 30)</i>
☐	☐	<i>(May 03 - 07)</i>
☐	☐	<i>(May 10 - 14)</i>
☐	☐	<i>(May 17 - 21)</i>
☐	☐	<i>(May 24 - 28)</i>
☐	☐	<i>(June 07 - 11)</i>
☐	☐	<i>(June 14 - 18)</i>
☐	☐	<i>(June 21 - 25)</i>
☐	☐	<i>(June 28 - July 02)</i>
☐	☐	<i>(July 05 - 09)</i>
☐	☐	<i>(July 12 - 16)</i>

- | | | |
|--------------------------|--------------------------|-----------------------------|
| ☐ | ☐ | (July 19 - 23) |
| ☐ | ☐ | (July 26 - 30) |
| ☐ | ☐ | (September 06 - 10) |
| ☐ | ☐ | (September 13 - 17) |
| ☐ | ☐ | (September 20 - 24) |
| ☐ | ☐ | (September 27 - October 01) |
| ☐ | ☐ | (October 04 - 08) |
| ☐ | ☐ | (October 11 - 15) |
| ☐ | ☐ | (October 18 - 22) |
| ☐ | ☐ | (October 25 - 29) |

(1) Discipline Codes - Choose up to four discipline codes from the enclosed list. Enter them in the order of relevance to the proposal:

- | | |
|-----|---|
| 01 | CONTINUUM MECHANICS |
| 02 | FINITE ELEMENT METHODS |
| 03 | COMPUTATIONAL MECHANICS |
| 04 | KINEMATICS AND DYNAMICS |
| 05 | VIBRATIONS OF SOLIDS AND STRUCTURES |
| 06 | WAVE MOTIONS IN SOLIDS |
| 07 | IMPACT ON SOLIDS |
| 08 | WAVES IN FLUIDS |
| 09 | SOLID FLUID INTERACTIONS |
| 010 | ASTRONAUTICS |
| 011 | ACOUSTICS |
| 012 | SYSTEMS THEORY AND DESIGN |
| 013 | PATTERN RECOGNITION |
| 014 | COMPUTATIONAL TECHNIQUES |
| 015 | SYSTEMS AND CONTROL APPLICATIONS |
| 016 | SOFTWARE, EXPERT SYSTEMS, ARTIFICIAL INTELLIGENCE |
| 017 | ROBOTICS |
| 018 | ELASTICITY AND VISCOELASTICITY |
| 019 | PLASTICITY AND VISCOPLASTICITY |
| 020 | COMPOSITE MATERIAL MECHANICS |
| 021 | STRUCTURAL STABILITY |
| 022 | SOIL MECHANICS |
| 023 | ROCK MECHANICS |
| 024 | FRACTURE AND DAMAGE MECHANICS |
| 025 | MATERIALS TESTING AND STRESS ANALYSIS |
| 026 | STRUCTURES |
| 027 | DAMS AND TUNNELS |
| 028 | MACHINE DESIGN |
| 029 | RHEOLOGY |
| 030 | HYDRAULICS |
| 031 | INCOMPRESSIBLE FLOW |
| 032 | COMPRESSIBLE FLOW |
| 033 | RAREFIED GAS FLOW |
| 034 | MULTIPHASE FLOWS |

035	BOUNDARY LAYERS
036	INTERNAL FLOW
037	FREE SHEAR LAYERS
038	FLOW STABILITY
039	TURBULENCE
040	ELECTROMAGNETO FLUID AND PLASMA DYNAMICS
041	AERODYNAMICS
042	MACHINERY FLUID DYNAMICS
043	FLOW MEASUREMENTS AND VISUALIZATION
044	THERMODYNAMICS
045	HEAT AND MASS TRANSFER
046	COMBUSTION
047	GEOMECHANICS
048	EARTHQUAKE MECHANICS
049	ENVIRONMENTAL MECHANICS
050	BIOMECHANICS
051	GLOBAL POSITIONING SYSTEM
052	GEODESY
053	MULTI-FIELD PROBLEMS
054	EXPERIMENTAL MECHANICS
055	MATERIAL PARAMETERS IDENTIFICATION
056	DIAGNOSIS OF STRUCTURAL DAMAGES BY INVERSE ANALYSIS
057	MICROMECHANICS AND MEMS
058	NANOMECHANICS AND NEMS
059	DYNAMICAL SYSTEMS
060	MATHEMATICAL AND FUNCTIONAL ANALYSIS
061	NUMERICAL ANALYSIS
062	3D PRINTING
063	BIGDATA
064	ARTIFICIAL INTELLIGENCE