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 proposa*l):

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 ….)*:

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 is a list of the dates currently available for 2028.

Applicants are kindly requested to indicate their first and second choices. Please note that the dates selected are intended solely as preferences and do not constitute a reservation or guarantee of availability. These preferences will be taken into account when preparing the annual course programme.

For any questions or difficulties, please contact the CISM Secretariat at info@cism.it and cism@cism.it

1st	2nd	
❑	❑	*(April 3 - 7)*
❑	❑	*(May 8 - 12)*
❑	❑	*(May 15 - 19)*
❑	❑	*(May 22 - 26)*
❑	❑	*(June 5 - 9)*
❑	❑	*(June 12 - 16)*
❑	❑	*(June 19 - 23)*
❑	❑	*(June 26 - 30)*
❑	❑	*(July 3 - 7)*
❑	❑	*(July 10 - 14)*
❑	❑	*(July 17 - 21)*
❑	❑	*(July 24 - 28)*
❑	❑	*(September 4 - 8)*
❑	❑	*(September 11 - 15)*
❑	❑	*(September 18 - 22)*
❑	❑	*(September 25 - 29)*
❑	❑	*(October 2 - 6)*
❑	❑	*(October 9 - 13)*
❑	❑	*(October 16 - 20)*
❑	❑	*(October 23 - 27)*

(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