



The Abdus Salam  
International Centre  
for Theoretical Physics



# 2023

## Scientific Calendar 2023

JAN & FEB

MAR & APR

MAY & JUN

MAY – JUL

JUL & AUG

AUG & SEP

SEP

OCT

OCT – DEC

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### 11 – 13 Jan

21st International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods  
e-mail: [smr3814@ictp.it](mailto:smr3814@ictp.it)

### 20 Feb – 17 Mar

Spring College on the Physics of Complex Systems  
e-mail: [smr3817@ictp.it](mailto:smr3817@ictp.it)

### 6 – 17 Mar

Joint ICTP-IAEA International School on Nuclear Security  
e-mail: [smr3819@ictp.it](mailto:smr3819@ictp.it)

### 17 – 23 Apr

ICTP - Quantum Quantum Hackathon  
e-mail: [smr3829@ictp.it](mailto:smr3829@ictp.it)

### 2 – 12 May

School and Workshop on Commutative Algebra and Algebraic Geometry in Prime Characteristics  
e-mail: [smr3866@ictp.it](mailto:smr3866@ictp.it)

### 22 – 26 May

Joint ICTP-IAEA Advanced Workshop on Accelerator Mass Spectrometry Radiocarbon Dating for Heritage and Forensic Sciences  
e-mail: [smr3839@ictp.it](mailto:smr3839@ictp.it)

### 29 May – 2 Jun

ICTP-SCOSTEP-ISWI School and Workshop on the Predictability of the Solar-Terrestrial Coupling – PRESTO  
e-mail: [smr3842@ictp.it](mailto:smr3842@ictp.it)

### 19 – 30 Jun

Summer School on Particle Physics  
e-mail: [smr3848@ictp.it](mailto:smr3848@ictp.it)

### 10 – 14 Jul

Workshop on Quantum Monte Carlo Methods at Work for Describing Novel States of Matter  
e-mail: [smr3853@ictp.it](mailto:smr3853@ictp.it)

### 24 Jul – 4 Aug

New Pathways in Exploration of Quantum Field Theory and Quantum Gravity beyond Supersymmetry III  
e-mail: [smr3859@ictp.it](mailto:smr3859@ictp.it)

### 7 – 11 Aug

Joint ICTP-IAEA Workshop on Open-Source Nuclear Codes for Reactor Analysis  
e-mail: [smr3865@ictp.it](mailto:smr3865@ictp.it)

### 2 – 3 Sep

Maker Faire Trieste 2023 – 10th Anniversary  
e-mail: [smr3845@ictp.it](mailto:smr3845@ictp.it)

### 18 – 22 Sep

Workshop on Plasmids as Vehicles of AMR Spread  
e-mail: [smr3876@ictp.it](mailto:smr3876@ictp.it)

### 2 – 6 Oct

11th Workshop on the Theory and Use of Regional Climate Models  
e-mail: [smr3881@ictp.it](mailto:smr3881@ictp.it)

### 16 – 27 Oct

Workshop on Mechanics of the Earthquake Cycle  
e-mail: [smr3885@ictp.it](mailto:smr3885@ictp.it)

### 23 – 25 Oct

The Increasing Danger of Nuclear Weapons: How Physicists Can Help Reduce the Threat  
e-mail: [smr3889@ictp.it](mailto:smr3889@ictp.it)

### 20 – 24 Nov

Workshop on Communication in Extreme Environments For Science and Sustainable Development  
e-mail: [smr3893@ictp.it](mailto:smr3893@ictp.it)

### 11 Jan – 29 Mar

Workshop on Climate Data and Seasonal Forecast Analysis Techniques  
e-mail: [smr3691@ictp.it](mailto:smr3691@ictp.it)

### 22 – 23 Feb

Science and Sustainable food: How Scientific Instruments Can Help Food and Biodiversity Issues for the Planet and its Inhabitant's Health  
e-mail: [smr3827@ictp.it](mailto:smr3827@ictp.it)

### 17 – 21 Apr

Workshop on Scattering Amplitudes and Cosmology  
e-mail: [smr3831@ictp.it](mailto:smr3831@ictp.it)

### 24 – 28 Apr

Spring School on Superstring Theory and Related Topics  
e-mail: [smr3833@ictp.it](mailto:smr3833@ictp.it)

### 15 – 19 May

Workshop on Signatures of Nonequilibrium Fluctuations in Life  
e-mail: [smr3835@ictp.it](mailto:smr3835@ictp.it)

### 22 – 26 May

Joint ICTP-IAEA School on AI for Nuclear, Plasma and Fusion Science  
e-mail: [smr3840@ictp.it](mailto:smr3840@ictp.it)

### 5 – 9 Jun

Workshop on Climate Information for Risk Assessment and Regional Adaption from Global Scale Climate Projections to Local Scale Climate Hazards  
e-mail: [smr3844@ictp.it](mailto:smr3844@ictp.it)

### 3 – 7 Jul

Workshop on Learning and Inference from Structured Data: Universality, Correlations and Beyond  
e-mail: [smr3850@ictp.it](mailto:smr3850@ictp.it)

### 10 – 21 Jul

Huddle on Learning and Inference from Structured Data: Universality, Correlations and Beyond  
e-mail: [smr3855@ictp.it](mailto:smr3855@ictp.it)

### 26 – 28 Jul

Conference on the Middle East Material Science  
e-mail: [smr3860@ictp.it](mailto:smr3860@ictp.it)

### 21 – 25 Aug

Workshop on Dynamics of Monitored Quantum Many-Body Systems  
e-mail: [smr3868@ictp.it](mailto:smr3868@ictp.it)

### 4 – 8 Sep

3rd Workshop on Cloud Organisation and Precipitation Extremes – WCO3  
e-mail: [smr3870@ictp.it](mailto:smr3870@ictp.it)

### 18 – 22 Sep

Joint ICTP-IAEA Workshop on Degradation Modelling of Disposed Radioactive Wasteforms  
e-mail: [smr3875@ictp.it](mailto:smr3875@ictp.it)

### 2 – 13 Oct

Advanced School on Quantitative Principles in Microbial Physiology: from Single Cells to Cell Communities  
e-mail: [smr3879@ictp.it](mailto:smr3879@ictp.it)

### 16 – 20 Oct

Joint ICTP-IAEA Nuclear Knowledge Management School  
e-mail: [smr3886@ictp.it](mailto:smr3886@ictp.it)

### 6 – 10 Nov

Career Development Workshop for Women in Physics  
e-mail: [smr3890@ictp.it](mailto:smr3890@ictp.it)

### 20 Nov – 1 Dec

10th Workshop on Collaborative Scientific Software Development and Management of Open Source Scientific Packages  
e-mail: [smr3894@ictp.it](mailto:smr3894@ictp.it)

### 23 Jan – 3 Feb

School on Synchrotron Light Sources and their Applications  
e-mail: [smr3815@ictp.it](mailto:smr3815@ictp.it)

### 27 Feb – 3 Mar

Joint ICTP-IAEA Advanced School/Workshop on Machine Learning in Citizen Science  
e-mail: [smr3824@ictp.it](mailto:smr3824@ictp.it)

### 17 – 21 Apr

Workshop on Inequality Across Scales, Space, Time and Domains  
e-mail: [smr3830@ictp.it](mailto:smr3830@ictp.it)

### 15 – 19 May

Workshop on Frontiers in Excited State Electronic Structure Methods: from Spectroscopy to Photochemistry  
e-mail: [smr3836@ictp.it](mailto:smr3836@ictp.it)

### 22 – 26 May

Workshop on Accounting for Climate in Sterilized Insect Technique (SIT) Interventions for Vector Borne Diseases  
e-mail: [smr3838@ictp.it](mailto:smr3838@ictp.it)

### 5 – 23 Jun

Huddle on Entanglement, Black Holes and Spacetime  
e-mail: [smr3843@ictp.it](mailto:smr3843@ictp.it)

### 3 – 7 Jul

Workshop on Widening Access to TinyML Network by Establishing Best Practices in Education  
e-mail: [smr3851@ictp.it](mailto:smr3851@ictp.it)

### 17 – 28 Jul

Summer School on Marine Heatwaves: Global Phenomena with Regional Impacts  
e-mail: [smr3857@ictp.it](mailto:smr3857@ictp.it)

### 31 Jul – 11 Aug

4th Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics: Atlantic Variability and Tropical Basin Interactions at Interannual to Multi-Decadal Time Scales  
e-mail: [smr3864@ictp.it](mailto:smr3864@ictp.it)

### 21 Aug – 1 Sep

School on Quantum Many-Body Phenomena out of Equilibrium: from Chaos to Criticality  
e-mail: [smr3867@ictp.it](mailto:smr3867@ictp.it)

### 11 – 22 Sep

School on Medical Physics for Radiation Therapy: Dosimetry, Treatment Planning and Delivery for Advanced Applications  
e-mail: [smr3871@ictp.it](mailto:smr3871@ictp.it)

### 25 – 29 Sep

International Conference on Regional Climate  
ICRC-CORDEX 2023  
e-mail: [smr3878@ictp.it](mailto:smr3878@ictp.it)

### 9 – 13 Oct

Conference on Dynamics and Finance: From KAM Tori to ETFs  
e-mail: [smr3883@ictp.it](mailto:smr3883@ictp.it)

### 16 – 20 Oct

Joint ICTP-IAEA Workshop on Simulation of Nuclear Reaction Data with the TALYS Code  
e-mail: [smr3887@ictp.it](mailto:smr3887@ictp.it)

### 6 – 17 Nov

Joint ICTP-IAEA School on Systems-on-Chip Based on FPGA for Scientific Instrumentation and Reconfigurable Computing  
e-mail: [smr3891@ictp.it](mailto:smr3891@ictp.it)

### 4 – 8 Dec

Conference on Fractionalization and Emergent Gauge Fields in Quantum Matter  
e-mail: [smr3834@ictp.it](mailto:smr3834@ictp.it)

### 6 – 17 Feb

Winter College on Optics: Terahertz Optics and Photonics  
e-mail: [smr3816@ictp.it](mailto:smr3816@ictp.it)

### 27 Feb – 3 Mar

Learning Workshop on BPS States and 3-Manifolds  
e-mail: [smr3818@ictp.it](mailto:smr3818@ictp.it)

### 17 – 21 Apr

Workshop on Scientific Use of Machine Learning on Low-Power Devices: Applications and Advanced Topics  
e-mail: [smr3832@ictp.it](mailto:smr3832@ictp.it)

### 19 – 26 May

Workshop on Stochastic Thermodynamics - WOST IV  
e-mail: [smr3837@ictp.it](mailto:smr3837@ictp.it)

### 29 May – 2 Jun

Youth in High-Dimensions: Recent Progress in Machine Learning, High-Dimensional Statistics and Inference  
e-mail: [smr3841@ictp.it](mailto:smr3841@ictp.it)

### 12 – 16 Jun

Joint ICTP-IAEA INPRO School on Strategic Planning for Sustainable Nuclear Energy Development  
e-mail: [smr3846@ictp.it](mailto:smr3846@ictp.it)

### 3 – 14 Jul

Summer School on Modelling Tools for Sustainable Development  
e-mail: [smr3852@ictp.it](mailto:smr3852@ictp.it)

### 17 – 28 Jul

Joint ICTP-IAEA Nuclear Energy Management School  
e-mail: [smr3858@ictp.it](mailto:smr3858@ictp.it)

### 31 Jul – 18 Aug

The CODATA-RDA Research Data Science Summer School and Advanced Workshops on Extreme Sources of Data, Internet of Things (IoT)/Big-Data Analytics, Compute Infrastructures, Data Policy, Data Documentation Initiative and Urban Data and Disaster Risk Reduction  
e-mail: [smr3861@ictp.it](mailto:smr3861@ictp.it)

### 28 Aug – 1 Sep

School on Wave Dynamics: Turbulent vs Integrable Effects  
e-mail: [smr3869@ictp.it](mailto:smr3869@ictp.it)

### 11 – 15 Sep

Workshop on Deformation Theory II  
e-mail: [smr3874@ictp.it](mailto:smr3874@ictp.it)

### 23 – 27 Oct

School and Workshop on String Theory, Holography and Black Holes  
e-mail: [smr3888@ictp.it](mailto:smr3888@ictp.it)

### 20 – 24 Nov

Joint ICTP-IAEA Workshop on Artificial Intelligence in Ionizing Radiation for Medical Physicists  
e-mail: [smr3895@ictp.it](mailto:smr3895@ictp.it)

### 9 – 18 Jan

The 17th Kavli Asian Winter School on Strings, Particles and Cosmology (Daejeon, Republic of Korea)  
e-mail: [smr3826@ictp.it](mailto:smr3826@ictp.it)

### 9 – 20 Jan

Latin American Summer School in Computational Neuroscience – LACONEU 2023 (Valparaiso, Chile)  
e-mail: [smr3813@ictp.it](mailto:smr3813@ictp.it)

### 13 – 24 Mar

Conference and Advanced School on Low-Dimensional Quantum Systems (Santiago, Chile)  
e-mail: [smr3820@ictp.it](mailto:smr3820@ictp.it)

### 17 – 21 Apr

High Performance Computing for Sustainable Development (Stellenbosch, South Africa)  
e-mail: [smr3828@ictp.it](mailto:smr3828@ictp.it)

### 12 – 23 Jun

7th African School on Electronic Structure Methods and Applications – ASEMA 2023 (Kigali, Rwanda)  
e-mail: [smr3847@ictp.it](mailto:smr3847@ictp.it)

### 2 – 7 Jul

Workshop on Computational Geodynamics: Towards Building a New Expertise Across Africa (Kigali, Rwanda)  
e-mail: [smr3849@ictp.it](mailto:smr3849@ictp.it)

### 10 – 14 Jul

DSU2023 (The Dark Side of the Universe) (Winter School) (Kigali, Rwanda)  
e-mail: [smr3863@ictp.it](mailto:smr3863@ictp.it)

### 10 – 28 Jul

2023 ICTP-EAUMP School on Enumerative Combinatorics (Arusha, United Republic of Tanzania)  
e-mail: [smr3854@ictp.it](mailto:smr3854@ictp.it)

### 17 – 28 Jul

Giambiagi Winter School on Cosmology (Buenos Aires, Argentina)  
e-mail: [smr3856@ictp.it](mailto:smr3856@ictp.it)

### 14 – 25 Aug

Summer School on Differential Geometry (Hanoi, Viet Nam)  
e-mail: [smr3862@ictp.it](mailto:smr3862@ictp.it)

### 11 – 22 Sep

3rd Latin American Introductory School on Parallel Programming and Parallel Architecture for High Performance Computing (Barranquilla, Colombia)  
e-mail: [smr3872@ictp.it](mailto:smr3872@ictp.it)

### 11 – 15 Sep

High-Resolution Atmospheric Models for Regional Applications: a RegCM and WRF Advanced School (Kigali, Rwanda)  
e-mail: [smr3873@ictp.it](mailto:smr3873@ictp.it)

### 22 – 30 Sep

Summer School on New Trends in Modern Quantum Science: From Novel Functional Materials to Quantum Technologies (Bukhara, Uzbekistan)  
e-mail: [smr3877@ictp.it](mailto:smr3877@ictp.it)

### 2 – 6 Oct

Climate Data and Seasonal Forecast Analysis Techniques (Harare, Zimbabwe)  
e-mail: [smr3880@ictp.it](mailto:smr3880@ictp.it)

### 3 – 12 Oct

Eastern Africa Capacity Building Workshop on Space Weather and Low-latitude Ionosphere (Malindi, Kenya)  
e-mail: [smr3882@ictp.it](mailto:smr3882@ictp.it)

### 13 – 24 Nov

School on Collective Animal Behaviour (Havana, Cuba)  
e-mail: [smr3892@ictp.it](mailto:smr3892@ictp.it)

### 4 – 16 Dec

ICTP-ICTS Quantitative Systems Biology Winter School 2023 (Bangalore, India)  
e-mail: [smr3896@ictp.it](mailto:smr3896@ictp.it)