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6th International Conference on Theoretical and Applied Physics

May 16-17, 2019
Berlin, Germany



SCIENTIFIC PROGRAM

DAY 1
Thursday 16th May

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Theoretical Physics | Experimental and Computational Physics | Condensed Matter Physics	**Talks On:** High Energy Nuclear Physics | Astro-Particle Physics | Cosmology
Quark-gluon plasma	Subatomic physics
Atomic optical science	Nucleosynthesis
topological phases of quantum matter	Nuclear fusion & fission
quantum magnetism	Nuclear forces & nuclear models
Nuclear astrophysics	Cosmology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Material Science & Engineering | Plasma Physics | Medical Physics	**Talks On:** Lasers, Optics & Photonics | Solid State Physics | Bio Physics
Biomaterials	Particle interactions in plasma
Material Physics	Complex plasma phenomena
Superconducting Materials	Laser Fusion Facilities
Electronic, Optical & Magnetic Materials	Free Electron Laser

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Research Forum	Workshop

DAY 2
Friday 17th May

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Quantum Physics & Technology | Atomic and Molecular Physics	**Talks On:** Electromagnetism| Spintronics
	Quantum Field Theory	Atomic optical science
	Quantum Computing	Molecular optical sciences
	Quantum Optics	The Quantum Mechanics of Spin
	Quantum Mechanics	Spin Orbit Interaction
	Atomic spectroscopy	Quantum Computing with Spins

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Nanotechnology | Bio Physics | Nuclear forces & nuclear models	**Talks On:** Superconducting Materials | Nuclear astrophysics
	Nanoparticles	Advanced Nanomaterials
	Nanomaterials	Biophysical approaches to cell biology
	Nano wires	Complex biological systems
	Nano-Structures	Membrane biophysics

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

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Berlin Attractions



Glimpses of Applied Physics Conferences















