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Physics 2018

Info Leaflet



Physics 2018 Invitation

Dear All,

We are extremely delighted to host the 4th International Conference on Physics.

Physics 2017 Belgium Meet was highly successful & enriching and we aim for a bigger sky this time. The Physics Series, over years, has become a successful site for the science & development and envisioning a greater and wider span for advancing the segment of this new science.

We invite your participation for this mega scientific event set to happen in Germany this year as we start to prepare the dais for a grand discussion with the theme Innovative technologies and outcomes in Physics.

Regards

Organizing Committee Panel
The Physics 2018 Germany



The Physics 2018 Germany conference calls for the newest and healthiest proposals for the Meet from researchers, industrial personnel and pioneering students.

This summit is designed to meet every nook and corner research topic related to the advancement in the research and development of in the field of physics

Advisory Panel

TRACK

High Energy Nuclear Physics



Dorin N. Poenaru

Honorary Member
Romanian academy
Romania

Biography:

He is Presently Honorary Member of the Romanian Academy.Retired in 2009 from Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Magurele near Bucharest. He had done two PhD in Nuclear Electronics (1968) and in Theoretical Physics (1981), from Polytechnical Institute of Bucharest, and Central Institute of Physics, Magurele, respectively.From 1996 until 2000 Scientific Director of IFIN-HH. Former Project Coordinator (2000-2003) of the European Commission Centre of Excellence IDRANAP (InterDisciplinary earch and Aplications based on Nuclear and Atomic Physics), selected in 2000 among the 34 succesful proposals out of 185 applications from 11 countries.He is the Co-author of the paper in which heavy-ion radioactivities were predicted. Mentioned in THE NEW ENCYCLOPAEDIA BRITANNICA.

TRACK

High Energy Nuclear Physics



Laszlo P. Csernai

Professor
University of Bergen
Norway

Biography:

Laszlo P. Csernai earlier worked in Hungary, East- and West Germany and in the USA. In the recent 30 years he is professor of theoretical physics in Bergen Norway. He supervised 23 students for Master degree and 16 for Ph.D. From his Bergen graduates and postdocs, today seven are professors, in USA (2), China (2), Romania (1), Spain (1), Oslo (1).He worked primarily in the field of nuclear theory, mostly with high energy heavy ions, and has more than 300 publications in many fields of physics. Between 2000-2005, he was directing the Bergen Computational Physics Laboratory, a 1 mill. Euro, Research Infrastructure of the EU.He is member of Det Norske Videnskaps-Akademi, the Norwegian Academy of Science and Technology, two Hungarian Academies, and he is now member of the Council, and earlier he chaired the Physics and Engineering Section of Academia Europaea

TRACK

Atomic,Molecular & Optical Physics



Ephraim Suhir

Professor
Portland State University
USA

Biography:

Ephraim Suhir is on the faculty of the Portland State University, Portland, OR, USA, and Technical University, Vienna, Austria. He is also CEO of the Small Business Innovative Research (SBIR) ERS Co. in Los Altos, CA, USA. Ephraim is Foreign Full Member (Academician) of the National Academy of Engineering, Ukraine (he was born in that country); IEEE Life Fellow; Fellow of the American Physical Society (APS), the American Society of Mechanical Engineers (ASME), the Institute of Physics (IoP), UK, the Society of Optical Engineers (SPIE), the International Microelectronics and Packaging Society (IMAPS), the Society of Plastics Engineers (SPE), and Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA) .

TRACK

Applied Physics



Dimitris Drikakis

Executive Director of the Strathclyde Space Institute
University of Strathclyde, United Kingdom

Biography:

Dr. Dimitris Drikakis is Professor of Engineering Science and Executive Dean (Engineering) and Associate Principal and at the University of Strathclyde, Glasgow (till June 2017). Since July 2017, and in addition to his continued Professorial role, Dimitris has taken on new leadership roles as Executive Director of Global University Partnerships (US and Far East), Executive Director of the Strathclyde Space Institute. Prior to his current appointment, he was Head of Aerospace Sciences at Cranfield University and Professor of Fluid Mechanics & Computational Science (2003-2015); Professor of Fluid Mechanics at Queen Mary University of London (till 2003); and has also held academic positions at the University of Manchester; University of Erlangen-Nuremberg, Germany; and University of Marseille, France. His expertise is in computational fluid dynamics (CFD), fluid mechanics (particularly compressible flows), and micro/nanoscale processes at fluid-solid interfaces.

TRACK

Classical & Modern Physics



Vladislav Cherepennikov
Director
Newton Society
Russia

Biography:

Vladislav Borisovich was born July 23, 1945 in Ulan-Ude. From 1964 to 1970 he studied at the Kharkov Aviation Institute. After receiving a university degree, he worked in a branch of the Research Institute of Aviation Technology (JARI) in Kharkov engineer. In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business Ether, and in 1996 founded and headed the company Newton's society. He is the Honorary Academician of the International Academy of Quality and Marketing. Member of the Public Assembly of the Ulyanovsk region and the Public Coordination Council of the city of Ulyanovsk.

TRACK

Quantum Science & Technology



Eliade Stefanescu
Senior Scientist I
Institute of Mathematics of the Romanian Academy, Romania

Biography:

Eliade Stefanescu graduated the Faculty of Electronics, Section of Physicist Engineers, in 1970. He is doctor in Theoretical Physics, Senior Scientist I at Advanced Studies in Physics Center at the Institute of Mathematics of the Romanian Academy, Founding Titular Member of Academy of Romanian Scientists, and member of the American Chemical Society - Division of Physical Chemistry - Subdivision of Energy. He is a professional with multidisciplinary openness: electronics, physics and technology of semiconductor devices, and open quantum physics with applications in solid state physics, quantum optics, and nuclear physics. He is known for a microscopic theory of open quantum systems, the invention and a detailed description of a system converting environmental heat into usable energy, and a unitary relativistic quantum theory, where the relativistic kinematics and dynamics, the electromagnetic field equations, the spin, and the gravitational interaction are obtained as characteristics of the quantum dynamics.

TRACK

Astro-Particle Physics & Cosmology



Maxim Yu. Khlopov
Full Professor
National Research Nuclear University MEPHI
Russia

Biography:

Maxim Yu. Khlopov is the Director of Virtual Institute of Astroparticle physics, France, President of Center for Cosmoparticle physics Cosmion and Full Professor at National Research Nuclear University MEPHI (Moscow Engineering and Physics Institute). On finishing secondary school with gold medal reward in 1968 entered Moscow Physical Technical Institute (MPhTI). In 1974 graduated with honours from MPhTI (Diploma of Engineer-Physicist of 30.06.1974, Moscow, duly certified English copy is available) and entered MPhTI post graduate courses, which finished in 1977 by successful presentation of thesis of candidate of physical and mathematical sciences on physical and astrophysical effects of weak interactions and got Diploma of Candidate of Science (of 15.03.1978, Moscow; USSR/Russia equivalent of PhD, duly certified English copy is available. Khlopov occupied the 2-year MIUR (Italian Ministry of Education, Universities and Research) position of the Full professor in the Physics Department of Rome University La Sapienza and charged his Research project Cosmoparticle physics of cosmic rays and CMB. He gave courses of lectures «Introduction to cosmoparticle physics» and «Physics of primordial Universe» for PhD students of Rome Universities.

TRACK

Plasma Science



Vasily Yu. Belashov
Chief Scientist
Kazan Federal University
Russia

Biography:

Prof. Vasily Yu. Belashov, PhD (Radiophysics), DSci (Physics and Mathematics). Main fields: theory and numerical simulation of the dynamics of multidimensional nonlinear waves, solitons and vortex structures in plasmas and other dispersive media. Presently, he is Chief Scientist and Professor at the Kazan Federal University. He was Coordinator of studies on the International Program Solar Terminator (1987-1992), and took part in the International Programs WITS/WAGS and STEP. He is author of 310 publications including 7 monographs. Main books: Solitary Waves in Dispersive Complex Media. Theory, Simulation, Applications. Springer-Verlag GmbH, 2005; Solitons: Theory, Simulation, Applications. Kazan, Kazan Federal University, 2016.

Conference Directory

September 17-18 | Berlin, Germany

Day 1: Opening Ceremony

• Registrations	Final attendance of the participants
• Introduction	Day 1 kicks off by Moderator's introductory speech
• Guest's Speak	Briefing the conference theme by Honorable Guest

Day 1 Sessions

• Keynote Bout	Talks covering the Theme of the Conference
• Coffee Break	Coffee and Candid shots of the Group
• Oral Session 1	High Energy Nuclear Physics | Atomic,Molecular & Optical Physics
• Special Session	A exclusive Exhibitor hosted session/Workshop for effective B2B chance
• Luncheon	Networking over Lunch
• Oral Session 2	Astro-Particle Physics & Cosmology | Quantum Science & Technology
• Coffee Break	Post-lunch coffee break session for networking
• Oral Session 3	Case studies/General discussions

Day 2 Sessions

• Keynote Bout	Re-opening the day with Keynotes again
• Coffee Break	Coffee and Networking
• Oral Session 4	Nano-Technology | Electromagnetism and Electronics
• Luncheon	Networking over Lunch
• Oral Session 5	Applied Physics | Material Physics
• Coffee Break	Post-lunch coffee break session for networking
• YRF Presentation	Selected Students' Oral Presentations
• Closing Session	Award Ceremony & Thank you note by Moderator
• Coffee Break	Coffee and Refreshments

PROVISIONAL PROGRAM

Tentative Speakers

Title: Main decay modes of super heavy nuclei

Dorin N. Poenaru, Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania

Biography: He is Presently Honorary Member of the Romanian Academy.Retired in 2009 from Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Magurele near Bucharest. He had done two PhD in Nuclear Electronics (1968) and in Theoretical Physics (1981), from Polytechnical Institute of Bucharest, and Central Institute of Physics, Magurele, respectively.

Title: Matter dynamics in a unitary relativistic quantum theory

Eliade Stefanescu, Advanced Studies in Physics Centre of the Romanian Academy, Bucharest, Romania

Biography: Eliade Stefanescu graduated the Faculty of Electronics, Section of Physicist Engineers, in 1970. He is doctor in Theoretical Physics, Senior Scientist I at Advanced Studies in Physics Center, Titular Member of Academy of Romanian Scientists, and member of American Chemical Society - Division of Physical Chemistry - Subdivision of Energy.

Title: Sustainable Development, Energy and Entropy

Laszlo P. Csernai, University of Bergen, Norway

Biography: Laszlo P. Csernai earlier worked in Hungary, East- and West Germany and in the USA. In the recent 30 years he is professor of theoretical physics in Bergen Norway. He supervised 23 students for Master degree and 16 for Ph.D. From his Bergen graduates and postdocs, today seven are professors, in USA (2), China (2), Romania (1), Spain (1), Oslo (1).

PROVISIONAL PROGRAM

Tentative Speakers

Title: New materials for radiation sources in the mid-infrared region

Alessandra Toncelli, Nanoscience Institute-CNR & Physics Department of the University of Pisa, Italy

Biography: Alessandra Toncelli has completed his PhD in Physics in 1998 from the University of Pisa. She is Associate Professor at the same University. Her main scientific interests concern the optical spectroscopy of materials in various wavelength regions from the visible to the infrared and THz region.

Title: Derivation of Mass & Fine Structure Constant of a free Electron at rest

Manfred Geilhaupt, University of Applied Sciences HS Niederrhein, Germany

Biography: His first Education is as an Electrician and later on did his Diploma in Physics at University of Bielefeld. Later on he pursued his PhD in Physical Chemistry at University of Bielefeld. He has experience in 5 Years Industry then joined as a Professor for Physics University of Applied Sciences HS Niederrheinat. He has conducted several research Project together with Prof. Dr. Ivanov of University of St. Petersburg. He retired from his professorship in 2015.

Title: Pair Interaction of Vortical Structures in Continuous Media: Criterion of Stability

Vasily Yu. Belashov, Kazan Federal University, Russia

Biography: Prof. Vasily Yu. Belashov, PhD (Radiophysics), DSci (Physics and Mathematics). Main fields: theory and numerical simulation of the dynamics of multidimensional nonlinear waves, solitons and vortex structures in plasmas and other dispersive media. Presently, he is Chief Scientist and Professor at the Kazan Federal University

PROVISIONAL PROGRAM

Tentative Speakers

Title: An Immanent-logical Analysis of the Foundations of SRT

Bernardo Gut, Volkshochschule beider Basel, Switzerland

Biography: Bernardo Gut was born in Buenos Aires in 1942. He went to the St. Andrew's Scots School, studied science in Zürich, obtaining his PhD at the age of 23 from the University of Zürich. He taught science, philosophy, and Spanish at the Gymnasium Münchenstein, near Basel, from 1967 till 2005. He has published more than 20 papers in several journals and written several books, above all on epistemology, consistency in set theory and in the theory of relativity, but also on biological subjects.

Title: Analysis of Type Ia Supernovae Light Curves in Observed Bands

Herman Holushko, Independent Researcher, Canada

Biography: Herman Holushko received MS degree in Computer Science at The Bauman Moscow State Technical University in 1990. He has professional experience in computer simulation and currently works as a software engineer in Canada. His articles on computer simulations were published in professional journals and conference proceedings. As an independent researcher he applies his experience for research in astrophysics.

Title: A Mass-energy Equivalence Law as E = ½ mc2

Musa D. Abdullahi, Umaru Musa Yar'adua University, Nigeria

Biography: Musa D. Abdullahi obtained BSc degree in physics from the University of Manchester, England, in 1965. He was the first person to obtain a postgrduate degree, in Electronics and Telecoms, from Ahmadu Bello University, Zaria, Nigeria, in August 1968. He taught at Ahmadu Bello University, Zaria and Federal University of Technology, Minna in Nigeria. He is a Fellow of the Nigerian Academy of Engineering.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Direct experimental determination of contact angles and line tensions on the nano-scale

Paul E. Wagner, University of Vienna, Austria

Biography: Paul E. Wagner is currently Ao. Professor i.R. at University of Vienna. Some previous positions: Guest Scholar at Clarkson University, USA, Guest Scholar at Kyoto University, Japan, Visiting Professor at the University of Helsinki, Finland.

Title: Problems on quasi-sets in quantum mechanics

Eliza Wajch, Siedlce University of Natural Sciences and Humanities, Poland

Biography: Eliza Wajch completed her PhD from Lodz University in 1988 and her habilitation in Poland in 1998. She is a mathematician working on topology, axiomatic foundations of mathematics and physics, as well as on applied mathematics. She participated in international conferences on topology, real analysis, set theory, number theory and on physics.

Title: Determination of the First Ionization Potentials of Heavy Actnides Based on an Atom-at-a-time Scale

Yuichiro Nagame, Advanced Science Research Center, Japan Atomic Energy Agency, Japan

Biography: Prof. Yuichiro Nagame is currently Senior Associate of Advanced Science Research Center in Japan Atomic Energy Agency and Professor of Ibaraki University. He received a PhD degree in 1982 with a study of strongly damped collision mechanism in heavy-ion-induced nuclear reactions from Tokyo Metropolitan University.

PROVISIONAL PROGRAM

Tentative Speakers

Title: THE EARTH' S PHYSICAL FIELDS,CONSEQUENCE OF THE CORE KERNEL TRANSFORMATION SINCE FORMATION OF THE PLANETARY SYSTEM

Vedat Shehu, Tirana University, Albania

Biography: Vedat Shehu, an Albanian American (b. 1935, Delvinë, Albania) hails from Old Borsh, Albania. He received his doctoral degree as an engineering geologist from the Technical University of Ostrava (VŠB) in Czechoslovakia in 1959, and in the course of his subsequent career was awarded with three labor prizes and a prize of the Republic.

Title: Imaging the Underground Contaminants in Landfill Sites Using Electrical Impedance Tomography

A. S Ogungbe, Lagos State University, Nigeria

Biography: A.S Ogungbe and C.O Ogabi have completed their PhD from Federal University of Agriculture, Abeokuta and University of Ibadan respectively. They are currently Senior Lecturers at Lagos State University, Ojo. They have published more than 20 papers in reputed journals and have been serving as reviewers of some reputable Journals.

Title: Canonical relativistic quantization of electromagnetic field in the presence of an anisotropic conductor magneto-dielectric medium

Majid Amooshahi, University of Isfahan, Iran

Biography: A faculty member of physics department in university of Isfahan, Isfahan,Iran.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Reconsideration of Continual and Statistical Mechanics Based on Scalar Representation of Deformation

Valeriy Ryabov, National Research Centre "Kurchatov Institute", Russia

Biography: Valeriy Ryabov works at National Research Centre "Kurchatov Institute", Russia

Title: Quaternions for Singlet States of Quantum Particles.

Lidia Obojska, Siedlce University of Natural Science and Humanities, Poland

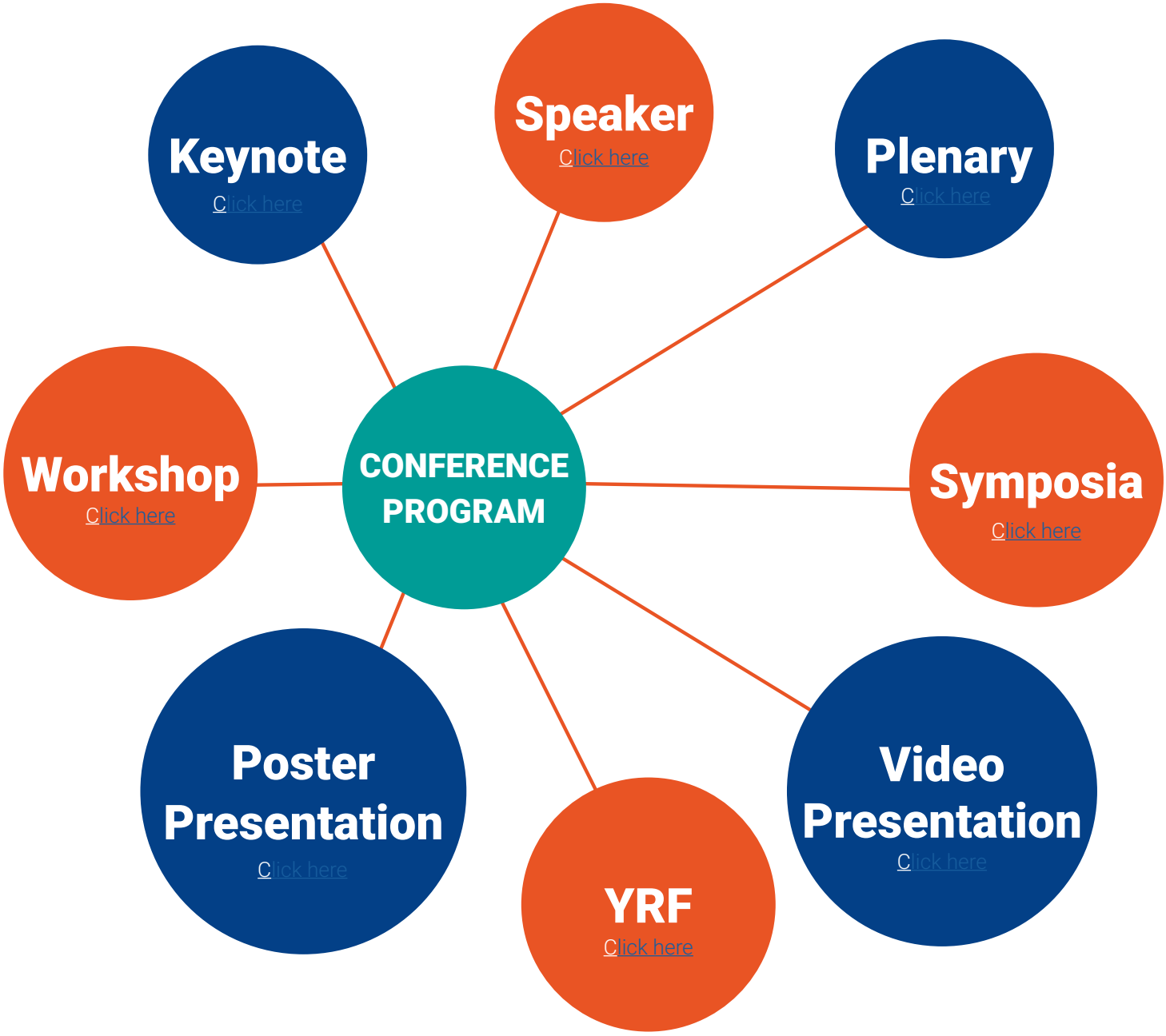
Biography: Lidia Obojska has completed her PhD in 1999 from Warsaw University, and her habilitation in 2014 from Polish Academy of Science in Warsaw. She is a professor at Siedlce University, and the Head of the Department of Mathematics and Physics. She has published papers in the field of mathematics and physics. She wrote a book on a non-classical collective set theory, and has been serving as a referee in several journals.

Title: Extreme exotism in lanthanides: achievements and open questions

C. M. Petrache, Universite Paris-Saclay, France.

Biography: Costel PETRACHE is a Lecturer CSNSM.

Available Slots



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To submit abstracts:

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A very few students can hold on to the opportunity of giving an Oral Presentation along with those highly affiliated expert minds. Exceptional abstracts can grab this chance and exhibit their research verbally.

INDUSTRY REPRESENTATIVE

Communicate the ideas on behalf of your organization in the form of a scientific talk or be a delegate to proxy your company's attendance at the Meet.

INTERATIVE BOOTHS

Showcase the latest product or service of your industry. Book your booth and avail free passes to the conference sessions.

B2B and B2A SESSIONS

At the Physics 2018 Germany, industries are welcome to display their products in the industrial exhibition, organise a symposium/workshop or benefit from many other sponsoring opportunities.

Experience the demonstration of finest ideas from best speakers of this field, meet with industry partners and customers, and examine recent market trends and opportunities- all over the luncheon and coffee break sessions.

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Sponsorship & Exhibiting Opportunities are open for benefits of and exposure among a diverse range of attendees at Physics Conferences!!!

Being in Germany

Berlin is the capital and the biggest city of Germany and in addition one of its 16 constituent states. With a populace of around 3.7 million, Berlin is the second most crowded city

appropriate in the European Union and the seventh most crowded urban range in the European Union. Situated in north eastern Germany on the banks of the waterways Binge

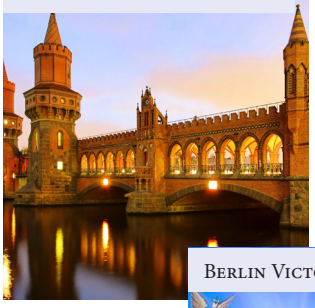
and Havel, it is the focal point of the Berlin-Brandenburg Metropolitan Locale, which has about 6 million inhabitants from more than 180 countries. Because of its area in the

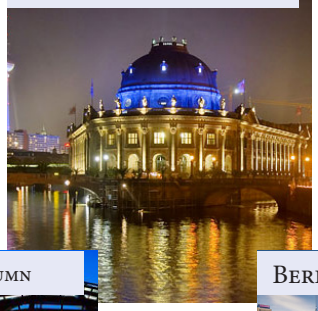
European Plain, Berlin is impacted by a calm occasional atmosphere. Around 33% of the city's region is made out of woodlands, parks, gardens, waterways, channels and lakes.

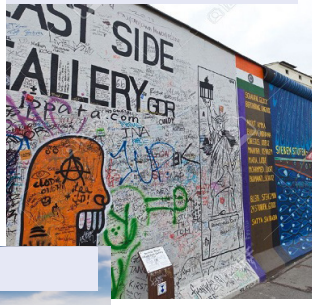
The city has four open research colleges and more than 30 private, expert, and specialized

schools (Hochschulen), offering an extensive variety of orders. A record number of 175,651 understudies were selected in the winter term of 2015/16.Among them around 18% have a universal foundation.

Berlin 2018


Spree

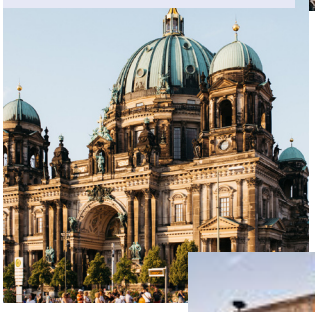

Museum Island

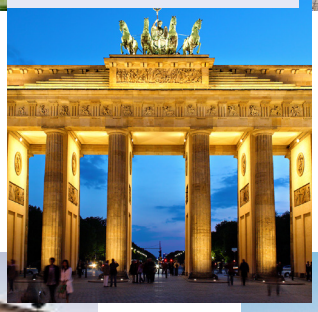


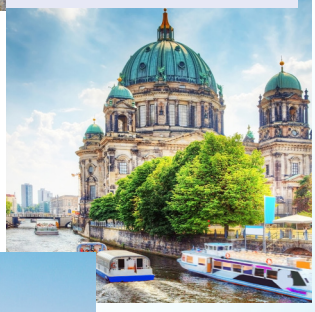
Berlin Wall

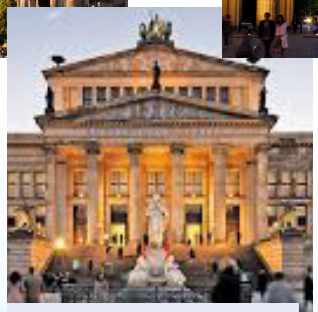

Berlin Victory Column

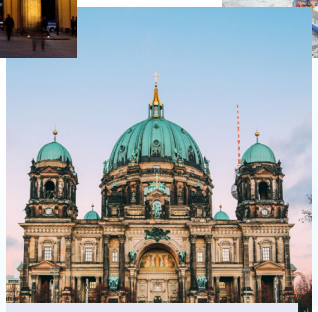

Berlin city


Charlottenburg Palace


Brandenburg Gate


Museum Island


Pergamon Museum


Charlottenburg Palace

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Physics 2018 Germany

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For more details, contact
Mark Philips
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Physics 2018 Germany
T: +44 8000148923
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