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Tentative Program

2nd International Conference on

ATOMIC AND NUCLEAR PHYSICS

November 08-09, 2017 Las Vegas, USA

Theme: Outlining the future aspects of Atomic and Nuclear physics

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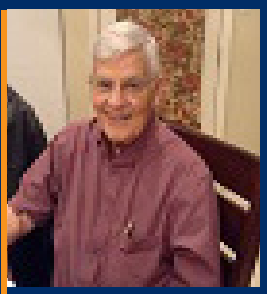
Atomic Physics 2017
Scientific Board



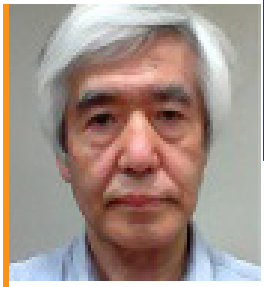
Anzhong Wang
Professor
Baylor University, USA



Gregory Lapicki
Professor
East Carolina University, USA



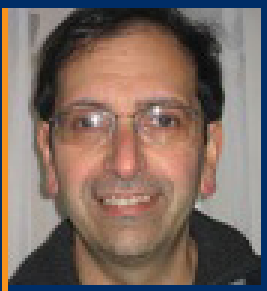
Donald J. Kouri
Professor
University of Houston, USA



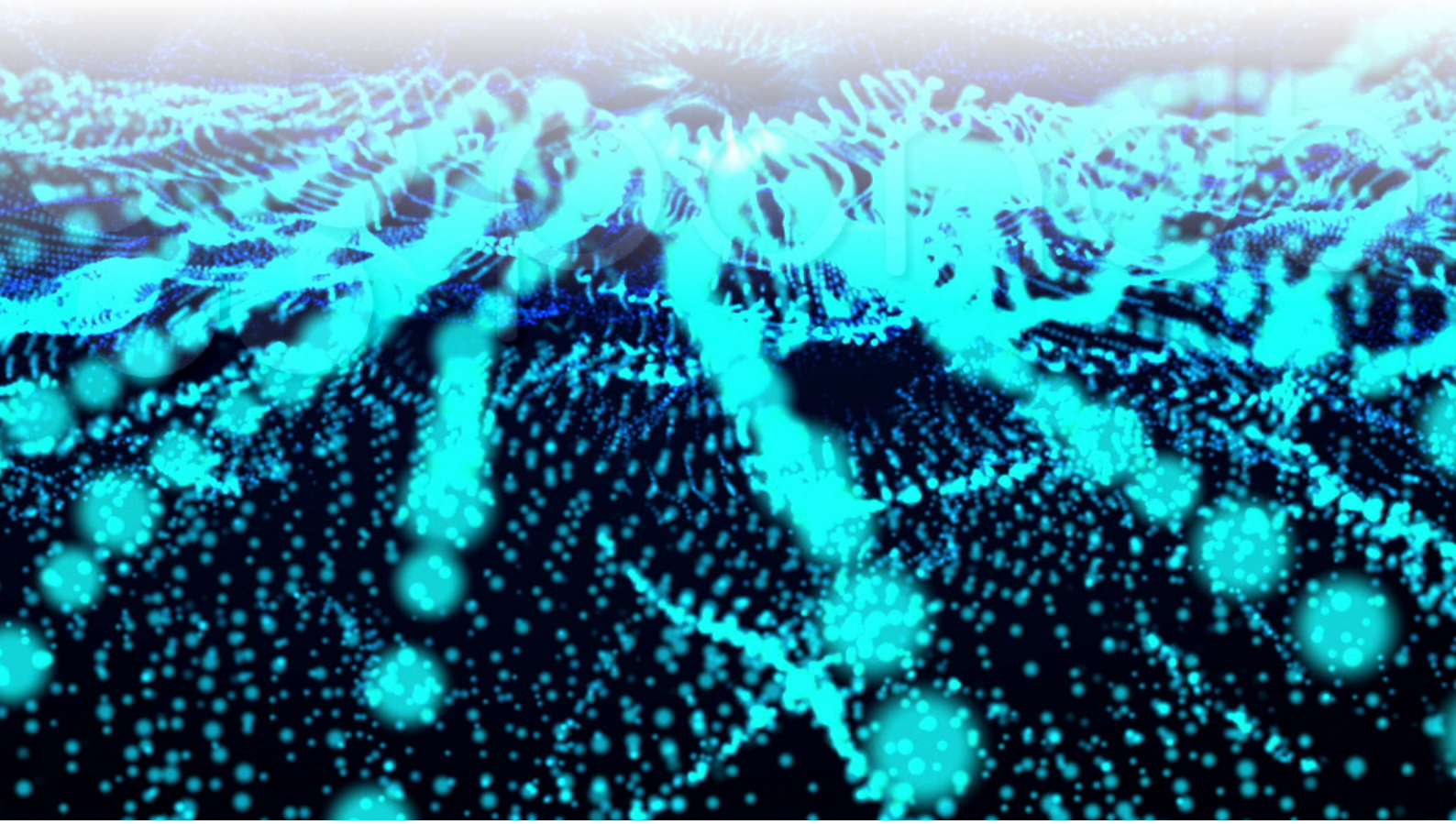
Masayoshi Tanaka
Professor
Kobe Tokiwa University, Japan



Leonid I.Ponomarev
Professor
A.A.Bochvar High Technology Institute of Inorganic Materials, Russia



Alain Ghizzo
Professor
University of Lorraine, France



Program at a Glance

Day 1

Morning Sessions / Evening Session

Reception/Registration	08.00-09.00
	Time	**General Session**
Keynote Sessions	09.00-09.15	Inaugural Address
	09.15-09.45	Slot Available
	09.45-10.15	Slot Available
	10.15-10.45	Slot Available
Panel Discussions/Group Photo	
Coffee/Tea Break 10.45-11.00 (Networking)	
11.00-12.40	5 Speakers (20 Mins Each)
Lunch Break 12.40-13.30	
13.30-15.30	6 Speakers (20 Mins Each)
Coffee/Tea Break 15.30-15.45 (Networking)	
15.45-17.25	5 Speakers (20 Mins Each)

19 Speakers for **Day 1**

Day 2

Evening Sessions Morning Sessions

	Time	**Session 1**	**Session 2**
09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Coffee/Tea Break 10.40-10.55 (Networking)			
10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Lunch Break 12.35-13.25			
13.25-15.05		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Awards & Closing Ceremony			

30 Speakers on **Day 2**

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

For more Details PS: http://atomic-nuclearphysics.conferenceseries.com/

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For detailed sessions & sub-sessions, kindly visit:
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Keynote Talks

Title: Generalizing the Harmonic Oscillator and Fourier Analysis: An Infinite Family of Mutually Unbiased Bases
Donald J. Kouri, *University of Houston, USA*

Title: Nuclear Power as an Energy Source
Leonid I Ponomarev, *A.A. Bochvar High Technology Research Institute of Inorganic Materials, Russia*

Title: Non-particle Vlasov codes: key issues and impact on plasma turbulence modeling for thermonuclear fusion
A. Ghizzo, *University of Lorraine, France*

Title: Research Activity on Experimental Nuclear Physics Aided by Atomic Physics
Masayoshi Tanaka, *Kobe Tokiwa University, Japan*

Title: What Does an Atomic Nucleus Look Like?
Xiaodong Li, *National University of Defense Technology, China*

Featured Speakers

Title: Applications of the proton induced x-ray emission (PIXE) technique for elemental analysis of materials
Gregory Lapicki, *East Carolina University, USA*

Title: Generalizing the Harmonic Oscillator and Fourier Analysis: An Infinite Family of Mutually Unbiased Bases
Donald J. Kouri, *University of Houston, USA*

Title: Optical control of electron emission at the attosecond timescale
G. M. Laurent, *Auburn University, USA*

Title: To Understand Atomic Nucleus from a New Nuclear Structure Model
Xiaodong Li, *National University of Defense Technology, China*

Title: Kinetic waves induced by electron trapping in stimulated Raman scattering in laser-plasma interaction
A. Ghizzo, *University of Lorraine, France*

Title: Source velocity at relativistic beams of 4He
Sergej P. Avdeyev, *Joint Institute for Nuclear Research, Russia*

Title: Progress in creation of hyperpolarized nuclei for highly sensitive MRI
Masayoshi Tanaka, *Kobe Tokiwa University, Japan*

Title: Effect of the electron-electron interaction on the Raman scattering in quantum rings
Alexander V. Chaplik, *Rzhanov Institute of Semiconductor Physics, Russia*

Title: Fast Neutron Reactor with Liquid U-Pu fuel
Leonid I.Ponomarev, *A.A.Bochvar High Technology Institute of Inorganic Materials, Russia*

Title: Zeeman spectra of Ti I in a facing target sputtering system
Nobuo Nishimiya, *Tokyo Polytechnic University, Japan*

Title: Isotope shift of Ti spectrum in a facing target sputtering system
Shinji Kobayashi, *Tokyo Polytechnic University, Japan*

Title: Atomic spectroscopy of sibolidium narcosum at negative temperature
Arn Olds Ikkema, *FAS Institute, Finland*

Title: The ENEA Neutron Active Interrogation System for Suspect Materials Characterization
Alessandro Dodaro, *ENEA, Italian National Agency for New Technologies, Italy*

Title: A Point-Wise Implicit Method for Slowly Evolving Reactor Thermal-Hydraulics Applications
Samet Y. Kadioglu, *Yildiz Technical University, Turkey*

Title: Slowing down fission chain reaction in fast reactor to improve nuclear safety
G.G.Kulikov, *National Research Nuclear University MEPhI (Moscow Engineering Physics Institute), Russia*

Title: The feasibility to convert the uranium dioxide core of an advanced PWR (AP 1000TM) in a thorium uranium mixed oxide core
Giovanni Laranjo de Stefani, *Nuclear and Energy Research Institute, Brazil*

Title: The energy of lattice of partly ionic crystals and it covalent part
Pakhomov E. P, *Joined Institute for High Temperature of the Russian Academy of Sciences, Russia*

Title: A electrostatic model of atom and the "metallic" hydrogen
Pakhomov E.P, *Joined Institute for High Temperature of the Russian Academy of Sciences, Russia*

Title: Calculations with parametric CI-MBPT method of properties of complex atoms
IgorM. Savukov, *Los Alamos National Laboratory, USA*

Title: Measurements of the Reactor Neutron Power in Absolute Units
G V Lebedev, *Russian Research Centre Kurchatov Institute, Russia*

Title: Specific features for magnetic and chiral bands in nuclei
A. A. Raduta, *Bucharest University and Institute of Physics and Nuclear Engineering, Romania*

Title: Phenomena observed during intense irradiation by braking gamma quanta with threshold energy up to 23MeV of Me - D2(H2) systems and in pure gases D2, H2 also in He and Xe, in CuBe2 and 1H18N9T high pressure chambers, up to 4kbar
Roland Wisniewski, *Physics Faculty of Warsaw University of Technology, Poland*

Title: Quantum simulation of interaction between atom and light
Masao Hirokawa, *Hiroshima University, Japan*

Title: Solar flares, solar neutrinos and ν_e-induced β-decays
Oleg Boyarkin, *Belorussian State University, Belarus*

Title: Investigate the possibility of using thorium as a fertile material in the PWR to get rid of Plutonium
Ahmed abdelghafar khedr galahom, *Higher Technological Institute, Egypt*

Title: Nuclear Physics with exotic beams
Elí Francisco Aguilera-Reyes, *Instituto Nacional de Investigaciones Nucleares, México*

Title: Ionization of Atom Exposed to Laser Field by Bohmian Trajectories
Ali Mohamed Osman, *Northwest Normal University, China*

Title: Liquid drop model of nuclei with account of viscosity
Azamat Khokonov, *Kabardino-Balkarian State University, Russia*

Title: Mid-infrared emission spectroscopy of laser generated carbon plasmas
Laszlo Nemes, *Research Center for Natural Sciences, Hungary*

Title: On three three-dimensional charged quantum particles scattering problem with attraction in pair subsystems
S.B.Levin, *St.-Petersburg State University, Russia*

Title: Test results of a new design of the thick gas electron multiplier
V. l. Razin, *Moscow Institue of Nuclear Research, Russia*

Title: Radioactivity represented by rare events
Zlokazov V.B, *Joint Institute for Nuclear Research (JINR), Russia*

Title: Density matrix in description of the collision of atomic particle with solid film
Gennadiy Filippov, *Chuvash State Agricultural Academy, Russia*

25 Speaker slots & 5 Keynote slots available

Venue & Hospitality

Welcome to the Official Attendee Housing Site for the
2nd International Conference on Atomic and Nuclear Physics which will be held at Hampton Inn Tropicana in the festive city of Las Vegas, USA.

Hampton Inn Tropicana
4975 Dean Martin Dr, Las Vegas
Nevada NV 89118, USA

Contact communication

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About Las Vegas

Las Vegas is the most populous city in Nevada, the seat of Clark County, and an internationally renowned major resort city for gambling, shopping and fine dining. Las Vegas, which bills itself as The Entertainment Capital of the World, is famous for the number of casino resorts and associated entertainment. A growing retirement and family city, it is the 31st most populous city in the United States.

It is situated within Clark County in an arid basin on the desert floor, surrounded by dry mountains. The Spring Mountains lie to the west. Much of the landscape is rocky and dusty; the environment is dominated by desert vegetation and some wildlife, and the area is subject to torrential flash floods. Within the city there are many lawns, trees, and other greenery. Due to water resource issues, there is now a movement to encourage xeriscapes. Another part of the water conservation efforts include scheduled watering groups for watering residential landscaping. Las Vegas' climate is a subtropical, hot desert climate typical of the Mojave Desert in which it lies. The city enjoys abundant sunshine year-round: it has an average of about 300 sunny days per year with more than 3,800 hours of sunshine.

The city is home to several museums including the Neon Museum home to many of the historical signs from the valley, The Las Vegas Museum of Organized Crime and Law Enforcement, the Las Vegas Natural History Museum, Lied Discovery Children's Museum National Atomic Testing Museum, and the Old Las Vegas Mormon State Historic Park.

Las Vegas' climate is a subtropical, hot desert climate typical of the Mojave Desert in which it lies. The city enjoys abundant sunshine year-round; it has an average of about 310 sunny days per year. It is virtually free of tornadoes and ice storms. The summer months of June through September are very hot and mostly dry, with a July daily average temperature of 92.5 °F (33.6 °C), while night time temperatures often remain above 80 °F (27 °C). Las Vegas' winters are short and the season is generally mild. December, the coolest month, averages 47.7 °F (8.7 °C). The mountains surrounding Las Vegas accumulate snow during the winter, but snow is rare in the Las Vegas Valley itself.

Venue

Las Vegas, USA



Best Tourist Destinations in Las Vegas



Bellagio



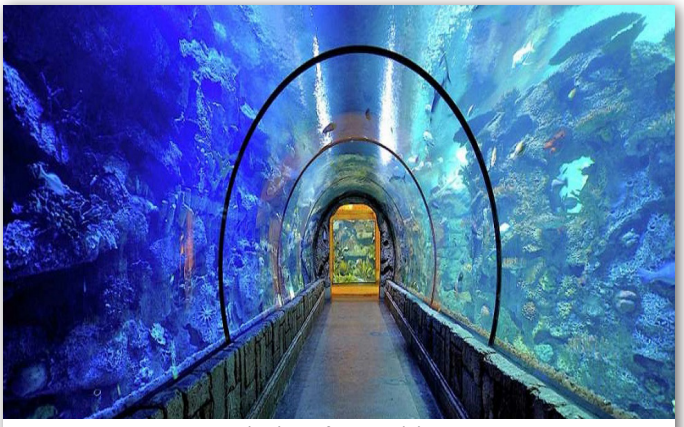
Downtown Container Park.



Discovery Children's Museum



Mirage



Shark Reef at Mandalay Bay



Stratosphere Tower

Glimpses of Atomic Physics 2016











