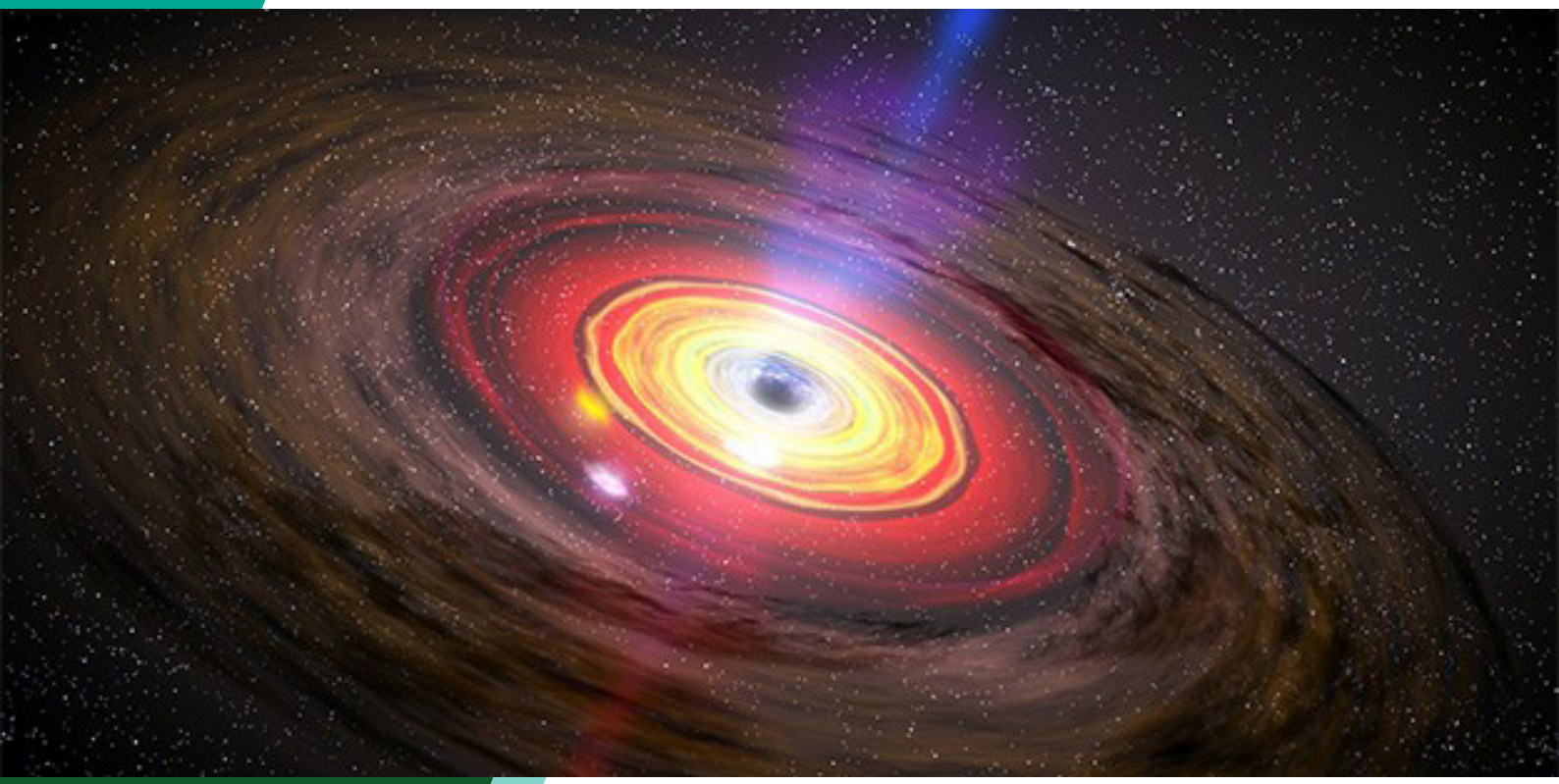
Tentative Program

2nd International Conference on

Astrophysics and Particle Physics

November 13-15, 2017 San Antonio, USA



Current Findings and Future Prospects of Particle Physics & Astrophysics

Conference Secretariat
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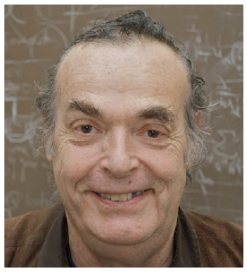
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Nobel laureate in Physics-1979
University of Texas, USA



Vasily Yu. Belashov
Professor
Kazan Federal University
Russia



Robert Golub
Professor
North Carolina State University
USA



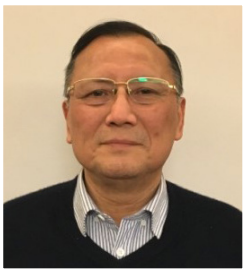
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USA



Akio Kawauchi
Professor
Osaka City University
Japan



Ghassan Halasa
Professor
University of Jordan
Jordan



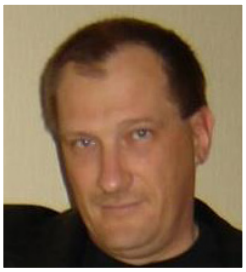
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Professor
University of Defense
Technology, China



Shaomin Chen
Deputy Director of Institute
of Modern Physics, Tsinghua
University, China



Neil Spooner
Professor
The University of Sheffield
UK



Anton Lipovka
Professor
Sonora University
Mexico



Lukasz Andrzej Glinka
Editor-in-Chief
Member of the American
Association of International

Keynote Speakers



New Views of Fusion in the Sun Using Studies of the Charge Symmetric Reactions T(T,4He)2n and 3He(3He,4He)2p at Laser Fusion Facilities

Andrew Bacher
Professor, Indiana University Bloomington, USA

Multidimensional nonlinear ion-acoustic waves in a weakly relativistic plasma



Vasily Yu. Belashov
Professor, Kazan Federal University, Russia



Topology of 4-dimensional universe for every 3-dimensional manifold

Akio Kawauchi
Professor, Osaka City University, Japan

Nature of the cosmological constant and geometrical origin of quantization



Anton Lipovka
Professor, Sonora University, Mexico



Weaknesses in the Big Bang Theory The Need For New Theory

Ghassan Halasa
Professor, University of Jordan, Jordan

Implication of Strong Magnetic Field near the Galactic Center (GC)



Quihe Peng
Nanjing University, China

Workshops



Vasily Yu. Belashov
Professor, Kazan Federal University, Russia

Nonlinear dynamics of the 3D solitary Alfvén waves in the ionospheric and magnetospheric plasma



Peter Morley
USA



Douglas Buettner
USA

Status of Condensed Neutrino Matter Research

Program at a Glance

Day 1

Morning Sessions	**Reception/Registration**	**08.00-09.00**	
		Time	**General Session**
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	Astrophysics and Space Science	
	Lunch Break 12.40-13.30		
	13.30-15.30	Particle Physics	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	Dark Matter and Dark Energy	

19 Speakers for **Day 1**

Day 2

	Time	**Session 1**	**Session 2**
Morning Sessions	09.00-10.40	Atomic and Molecular Astrophysics	Gravitational Physics
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Astronomy	Cosmology
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	Optical Astronomy	Neutrino Astronomy
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	Nuclear Astrophysics	Astrochemistry and Astrobiology

40 Speakers on **Day 2**

Day 3

	Time	**Session 1**	**Session 2**
Morning Sessions	09.00-10.40	Instrumentation	Particle Accelerators
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Higgs Particle Physics	Space Missions & Satellite
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	Heavy-ion physics	High Energy Physics

Awards & Closing Ceremony

30 Speakers on **Day 3**

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

For more Details PS: http://astrophysics.conferenceseries.com/

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Featured Speakers
Keynote Opportunities Available

Title: Measurements of the T+T and 3He+3He Reactions in Laser Fusion and Accelerator Facilities: A New View
A. D. Bacher, *Indiana University, USA*

Title: Black Holes Observed Gates to A Parallel Universe
Ghassan H Halasa, *University of Jordan , Jordan*

Title: Collective Effects in Disk Galaxies
Xiaolei Zhang, *George Mason Univeristy, USA*

Title: Implication of Strong Magnetic Field near the Galactic Center (GC)
Qiuhe Peng, *Nanjing University, China*

Title: Direct observation of the strong (nuclear) interaction in the optical spectra of solids
V.G. Plekhanov, *Fonoriton Sci. Lab, Estonia*

Title: Condensed Neutrino Object Models and Galaxy Cluster Data
D. J. Buettner, *The Aerospace Corporation, USA*

Title: Condensed Neutrino Objects as Dark Matter
P. D. Morley, *Booz-Allen-Hamilton , USA*

Title: Determination of classical distributions of electrons and ions with inertias containing Boltzmann relations and equation of electron to ion temperature ratio α for non thermal plasma composition
Bhaben Kalita, *Gauhathi University, India*

Title: Superluminal Representations in Modern Physical Researches
Dmitri Kirko, *Moscow Engineering Physics Institute, Russia*

Title: Solitons' dynamics in regions with sharp gradients of basic parameters of propagation medium
Vasily Yu. Belashov, *Kazan Federal University, Russia*

Title: Asymptotic Safety in Quantum Gravity: Renormalizability and Beyond
Martin Reuter, *University of Mainz, Germany*

Title: Nuclear Stability from Another Point of View
Xiaodong Li, *National University of Defense Technology, China*

Title: Topology of 4-dimensional universe for every 3-dimensional manifold
Akio Kawauchi, *Osaka City University Advanced Mathematical Institute, Japan*

Title: Stable Field Detection as a novel method for blind sensing of weak radio signals
Jakub Nikonowicz , *Poznań University of Technology, Poland*

Title: Photodynamics: How massive photons, gravitons, gluons, and neutrinos manage to travel at the speed of light
Robert J. Martineau, *NASA Goddard Space Flight Center, USA*

Title: Comparative studies of cosmological models in Alternative Theory of Gravity with LVDP & BVDP
Ravi Kanth MISHRA, *SLIET Deemed .University, India*

Title: Nature of the cosmological constant and geometrical origin of quantization
Anton Lipovka, *Sonora University, Mexico*

Title: ABSORPTION Coefficient across Atmospheric Troposphere Layer
Wei Peng-Sheng , *National Sun Yat-Sen University, Taiwan*

Featured Speakers
Keynote Opportunities Available

Title: Deformable Media with Quantized Effects
Heng Xiao, *Jinan University,China*

Title: New Views of Fusion in the Sun Using Studies of the Charge Symmetric Reactions T(T,4He)2n and 3He(3He,4He)2p at Laser Fusion Facilities
A. D. Bacher, *Indiana University, USA*

Title: Evolution of the Universe
Ghassan H Halasa, *University of Jordan , Jordan*

Title: The Observed Evidence of both Invalidating Black Hole model at the Galactic Center and Magnetic Monopole Existence
Qiuhe Peng, *Nanjing University, China*

Title: Multidimensional nonlinear ion-acoustic waves in a weakly relativistic plasma
Vasily Yu. Belashov, *Kazan Federal University, Russia*

Title: Knot theory and science
Akio Kawauchi, *Osaka City University Advanced Mathematical Institute, Japan*

Title: Remarks regarding the Dark Matter problem
Anton Lipovka, *Sonora University, Mexico*

Title: Weaknesses in the Big Bang Theory the Need For New Theory
Ghassan H Halasa, *University of Jordan , Jordan*

Title: Nonlinear dynamics of the 3D solitary Alfvén waves in the ionospheric and magnetospheric plasma
Vasily Yu. Belashov, *Kazan Federal University, Russia*

Title: Jacobson Resonance: Inertial Electromagnetic Induction
Jerry I. Jacobson , *John C. Stennis Space Center, USA*

Title: A New Manned Space Flight for NASA
Philip Fisher, *USA*

Title: Generic dynamical features and thermalization of isolated many-body quantum systems
Lea F. Santos, *Yeshiva University, USA*

Title: A RIDICULOUS THEORY OF DARK ENERGY
Nick, *USA*

Title: Testing theories of quantum gravity in the early universe
Anzhong Wang, *Baylor University, USA*

Title: Pros and cons of relativistic interstellar flight from the point of view of physics
Oleg. G. Semyonov, *SUNYSB, USA*

Title: Fermions and bosons in the expanding universe by the spin-charge-family theory
N. S. Mankoč Borštnik , *Slovenia*

Title: Weak gravitational lensing: Solutions for key technical issues, and applications in exploring fundamental problems
Jun Zhang, *Shanghai Jiao Tong University, China*

Title: The Milky Way's Supermassive Black Hole: How good a case is it?
Andreas Eckart, *University of Cologne, Germany*

Title: Experiments research on femtosecond streak camera
Chengquan Pei, *Xi'an Jiaotong University, China*

Title: Hadron-Quark phase transitions in neutron stars inner cores
Gustavo A. Contrera, *Argentina*

Title: Deformable Media with Quantized Effects
Heng Xiao, *Jinan University, China*

Title: Molecular interactions in nanoclusters with long range attraction forces and Coulomb repulsive
Anna Popova, *Skobeltzin Institute of Nuclear Physics, Russia*

Featured Speakers
Keynote Opportunities Available

Title: Non-relativistic limit of the Landau-Lifshitz equation: A new equation
Gonzalo Ares de Parga, *ESFM Instituto Politécnico Nacional, Mexico*

Title: Atomic Data and Excitation Rate Coefficients by Electron Impact for Sulfurlike Cr IX
Ahmed Abou El-Maaref, *Al-Azhar University, Egypt*

Title: Kelvin–Helmholtz instability in solar jets observed by Hinode and SDO/AIA
Ivan Zhelyazkov, *Sofia University, Bulgaria*

Title: Numerical analysis of Plasma Flow Vortices in the magnetotail
Khatuna Chargazia, *Tbilisi State University, Georgia*

Title: Evidence of Cosmic Strings by the Observation of the Alignment of Quasar Polarization Axes on Mpc scale
Reinoud J. Slagter, *University of Amsterdam, Netherlands*

Title: Measurability Notion in Quantum Theory, Gravity and Thermodynamics. Basic Facts and Implications
Alexander Shalyt-Margolin, *Belarusian State University, Belarus*

Title: Generalized Faddeev–Popov Rules in Yang–Mills Theories: N=3, 4 BRST Symmetries
A.A. Reshetnyak, *Institute of Strength Physics and Materials Science of SB RAS, Russia*

Title: Quantum cosmology of a conformal multiverse
Salvador J. Robles-Perez , *Instituto de Física Fundamental– CSIC – Madrid, Spain*

Title: Hamiltonian model of invariant relative orbits: the critical circular case
Shaheera A Altalhi, *King Abdulaziz University, KSA*

Title: ABSORPTION Coefficient across Atmospheric Troposphere Layer
Wei, Peng-Sheng, *National Sun Yat-Sen University, Taiwan*

Title: Structural-parametric model of electromagnetoelastic actuator for astrophysics and optical astronomy
Sergey M. Afonin, *National Research University of Electronic Technology MIET, Russia*

Title: PPMXL photometric studies of open clusters: Praesepe and FSR 942
Wasayf F. Alotaibi, *King AbdulAziz University, KSA*

Title: On the initial state of the Universe in quantum cosmology
Alexander S Lukyanenko, *Polytechnic University, Russian*

Title: Accessing the Nonlinear Physics of Astrophysical Plasmas
Mohamad Shalaby, *University of Waterloo, Canada*

Title: Basic generic properties of regular black holes caused by energy conditions
Irina Dymnikova , University of Warmia and Mazury, *Poland*

Title: Sunyaev-Zeldovich effect as tool to probe fundamental physics and modified gravity
Ivan de Martino, *University of the Basque Country UPV/EHU, Spain*

Title: Stable Field Detection as a novel method for blind sensing of weak radio signals
Jakub Nikonowicz , *Poznań University of Technology, Poland*

Title: Derivation of the generalized nonlinear Schrödinger-like equation of cosmogonical body forming and its application to investigate the stability of exoplanetary systems
Alexander M. Krot, *United Institute of Informatics Problems of the National Academy of Sciences of Belarus, Belarus*

Title: Remarks regarding the Dark Matter problem
Armando Meza Gaxiola, *Sonora University, Mexico*

Title: The Allan Hypothesis
Songwen Tan, *National Infotech College, Nepal*

Title: Nature of the Dark Energy and Origin of Large Scale Structures in the Universe
Jean-Michel Alimi, *Paris-Science & Lettre University, France*

Featured Speakers
Keynote Opportunities Available

Title: Modelling of compact star in embedding class one space time
Sunil Kumar Maurya, *University of Nizwa, Oman*

Title: Nuclear Stability from Another Point of View
Xiaodong Li, *National University of Defense Technology, China*

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

Title: Nonlinear diffusion with non-stationary absorption
Yu. A. Chirkunov, *Novosibirsk State University of Architecture and Civil Engineering, Russia*

Title: Improving infrared-based satellite algorithm to estimate precipitation: Validation over the southern Mediterranean basin
Fatiha MOKDAD, *University of Science and Technology Houari Boumediene, Algeria*

Title: Asymptotic Safety in Quantum Gravity: Renormalizability and Beyond
Martin Reuter, *University of Mainz, Germany*

Title: Hydrocarbon probability of Middle Ordovician Hawaz Formation
Adel Kamel Mohamed, *Mansoura university, Egypt*

Title: The Formation Of Binary Stellar Black Holes, The First Detected Sources Of Gws
I.F. Mirabel, *Institute of Astronomy and Space Physics, France*

Title: The darkness of cosmological baryons: an update on quantum dark matter
Allan D, Ernest, *Charles Sturt University, Australia*

Title: Gravitational microlensing in Verlinde's emergent gravity
Lei-Hua Liu, *Utrecht university, Netherlands*

Title: Development of the Muon System of the CMS experiment at the Large Hadron Collider
Amr Radi, *Sultan Qaboos Univeristy, Oman*

Title: Looped Light on Dark Energy
Mohamed S. El Naschie, *University of Alexandria, Egypt*

Title: E-BABE- Motion of Spinning Deviation objects in a Strong Theory of Gravity
Magd E. Kahil, *Modern Sciences and Arts University, Egypt*

Title: The study of the TEC variation and its influence on the GPS signals propagated over Ambo during the high solar activity phase
Yekoye Asmare Tariku, *University of Ambo, Ethiopia*

Title: The history and fate of Martian atmosphere: from the past to the future
Oleg Vaisberg, *Space Research Institute, Russia*

Title: PAIX, First Antarctic Polar Mission
Merieme Chadid, *Observatoire de Côte d'Azur , France*

Title: Reduced bispectrum seeded by helical primordial magnetic fields
Leonardo Castañeda, *National University of Colombia , Colombia*

Title: Mixing of relativistic ideal gases with relative relativistic velocities
R.E. Gonzalez-Narvaez, *ESFM IPN, México*

Title: Investigation of solitary waves in multi component warm plasma with weakly relativistic effect
Manabendra Deka, *Gauhati University, India*

Title: Numerical study on pollutant dispersion within Owerri, Nigeria
Anoruo Chukwuma Moses, *Imo State University, Nigeria*

Title: Quasi-integrable deformed sine-Gordon models and new infinite tower of conserved charges
Harold Blas , *Instituto de Física - UFMT, Brazil*

Featured Speakers
Keynote Opportunities Available

Title: TIDs investigation by two-dimensional TEC mapping and ionosonde
Ruslan O. Sherstyukov, *Kazan Federal University, Russia*

Title: Empirical relations between the QCD and Standard Model parameters
Sergey Sukhoruchkin, *B.P.Konstantinov Petersburg Nuclear Physics Institute, Russia*

Title: Whether a protoplanetary disk can fragment and the properties of the parent molecular cloud core
Chunjian Liu, *Bohai University, China*

Title: Two-Fluid Anisotropic Dark Energy Cosmological Model
B.Mishra, *Birla Institute of Technology and Science-Pilani, India*

Title: Low speed granular–granular impact crater opening mechanism in 2d and 3d experiments
Roberto Bartali, *Universidad Autónoma de San Luis Potosí, Mexico*

Title: Existence of traversable wormholes in the spherical stellar systems
Ali Övgün, *Eastern Mediterranean University, Northern Cyprus*

Title: Study on geomagnetic storms driving motion of 0.1–2 MeV radiation belt electrons
Zhenxia Zhang , *National Earthquake Infrastructure Service, China*

Title: Influence of the Centaurs and TNOs on the main belt and its families
Mattia Galiazzo, *University of Vienna, Austria*

Title: Axion-like particles and high-energy astrophysics
Marco Roncadelli, *INFN, Italy*

Title: Dynamic model of elementary particles
Georgi Shpenkov, *University of Science and Technology in Bydgoszcz, Poland*

Title: Data imputation analysis for Cosmic Rays time series
Ronabson C.Fernandes, *Universidade Federal do Rio Grande do Norte, Brazil*

Title: Black holes in quasi-topological gravity and conformal couplings
Mariano Chernicoff, *UNAM. Mexico City, Mexico*

Title: Radio emission from Supernova Remnants
Gloria Dubner, *Institute of Astronomy and Space Physics, Argentina*

Title: Data sharing in astronomy on the example of Armenian Virtual Observatory
Aram V Knyazyan, *Institute for Infromatics and Automation Problems, Armenia*

Title: N=2 String Theory and Gauge Theories
Ahmad Zein Assi, *International Centre for Theoretical Physics, Italy*

Title: Alternative Approach To Radiation Reaction Force
Gustavo Lopez Velazquez, *National Autonomous University of Mexico, Mexico*

Title: Burst Astrophysics. Macroobject Shell Model
Vladimir S. Netchitailo, *BIOLASE, USA*

Title: Kelvin–Helmholtz instability in solar jets observed by Hinode and SDO/AIA
Ivan Zhelyazkov, *Sofia University, Bulgaria*

Title: Hypersphere World – Universe Model
Vladimir S. Netchitailo, *BIOLASE, USA*

Title: A Robust and Efficient Quantum Private Comparison of Equality Based on the Entangled Swapping of GHZ-like State and $\chi+$ State
Zhiwen Zhao, *Beijing Normal University, China*

Title: Ionospheric disturbances during solar proton events from ground GLONASS-GPS measurements in Kazan
Olga Khutorova, *Kazan Federal University, Russia*

Featured Speakers
Keynote Opportunities Available

Title: Identify regions of generation of artificial airglow in the HF-pumped ionosphere by using of TEC measurements and intensity of artificial airglow along the trajectory of GPS
Denis Kogogin, *KFU, RUSSIAN*

Title: Forecasting of maximum usable frequencies of HF radio channel on the basis of oblique chirp sounding
Alexey Kolchev, *Kazan Federal University, Russia*

Title: Multi-channel photometer for the optical measurements in the near space
Dmitry Kulikov, *KFU, RUSSIAN*

Title: Application of multiple phase-screen calculation for radio sounding of artificial ionospheric inhomogeneities
Igor Nasyrov, *Kazan Federal University, Russia*

Title: The construction of three-dimensional model of the field of artificial glow of the ionosphere stimulated by powerful radio emission of "Sura"
Daniil Nikiforov, *Institute of Physics of Kazan Federal University, Russia*

Title: Hydrodynamic waves and disturbences in nonlinear porous media. Filtration parameters estimation
Marat N Ovchinnikov, *Kazan Federal University, Russia*

Title: Calculation of ionospheric penetration points for GPS navigation satellites
Timur Prokhorov, *Kazan Federal University, Russia*

Title: The influence of M7.3 class solar X-ray burst on the disturbance of the lower ionosphere as well as HF propagation characteristics
Ryabova M. I, *Kazan Federal University, Russia*

Title: The study of the TEC variation and its influence on the GPS signals propagated over Ambo during the high solar activity phase
Yekoye Asmare Tariku, *University of Ambo, Ethiopia*

Title: Numerical study on pollutant dispersion within Owerri, Nigeria
Anoruo Chukwuma Moses, *Imo State University, Nigeria*

Speaker slots and Workshop slot available

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About City

San Antonio, named for Saint Anthony of Padua, commonly referred to as Greater San Antonio. It is the seventh most populated city in the United States of America and the second most populated city in the state of Texas.

In 1845, the United States decided to occupy Texas and include it as a state in the Union. This led to the Mexican-American War. Though the US ultimately won, the war was devastating to San Antonio reducing its population to almost two-third. San Antonio's economy is focused primarily within military, health care, government civil service, financial services, oil and gas and tourism sectors. It has a diversified economy with about a $96.8 billion metropolitan Gross Domestic Product. This ranks the city 4th among Texas metropolitan areas and 38th in the United States.

San Antonio is centrally located between both coasts, so attendees don't have to make cross-country flights. And with 26 million Texans, most are just a drive away. Great weather and temperate winters make San Antonio a great solution for those with seasonal weather challenges (or for those who enjoy year-round golf). Over 300 days of sunshine each year and an inland location provide worry-free planning options in all seasons. San Antonio's unique heritage and mix of cultures gave way to a culinary landscape that's truly one-of-a-kind. While we're famous for our signature Tex-Mex, you'll also find traditional Mexican cuisine along with German, French, English and Italian eateries. Quiet wine bars, well-known watering holes, lively dance halls and a duelling piano sing-along are just a few of the many popular stops.

The major attraction of San Antonio includes Spanish colonial missions, the Alamo, the River Walk, the Tower of the Americas, the Alamo Bowl, and Marriage Island. Commercial entertainment includes SeaWorld and Six Flags Fiesta Texas theme parks, and according to the San Antonio Convention and Visitors Bureau, the city is visited by about 26 million tourists a year. The city is home to the five-time NBA champion San Antonio Spurs and hosts the annual San Antonio Stock Show & Rodeo, one of the largest such events in the country



Tourist Attractions


River Walk


Alamo


Sea World


San Antonio Zoo


National Historical Park


Botanical Garden


Six Flags Fiesta


Fredericksburg

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