

# International Conference

January 05 - 08, 2017

*Systemics, Cybernetics and Informatics*

**ICSCI-2017**

*Theme: Digital Health Initiative*

*Organized by*



**Pentagram Research Centre (P) Limited**

201, Venkat Homes, MIGH – 59, Mehdipatnam  
Hyderabad – 500 028, Telanagana State, India

*Jointly organized by*

**Avatar MedVision US., LLC**

137 Duke Road, Winterville  
North Carolina, NC 28590, United States of America

**Pentagram Labs Inc**

10677 Amulet Place, Cupertino  
California, CA 95014, United States of America

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Conference E-mail ID: [icsci2017@gmail.com](mailto:icsci2017@gmail.com)

*Be there when people discuss the future of the Scientific World*

# TOPICS AND EVENTS

## Medical Sciences

**Stream #1:** General Human Anatomy and Physiology, Neurology, Ophthalmology, Ear, Nose and Throat, Respiratory System, Cardiology, Cardio Vascular System, Circulatory System, Gastrointestinal System, Nephrology, Urology, Sexology, Dermatology, Oncology, Reproductive System, Orthopedics-Tooth and Bone care, Trichology, Pathology, Psychology; **Stream #2:** Clinical Diagnostics, Molecular Diagnostics, Clinical Hematology, Clinical Biochemistry, Clinical Microbiology, Radiology, Ultra sonographic and X-Ray Image Analytics, MR, CT, PET and SPECT Image Analytics, Experimental and Clinical Cancer Research; **Stream #3:** Anesthesia and Anesthetic Procedures, Neuro, Cardiac, Orthopedic, Orthodontic, Gastrointestinal Surgeries, Organ Transplantation, Plastic and Cosmetic Surgeries; **Stream #4:** Medical Ethics and Health Policies, Nursing, Post Operative Care, Drug Administration, Internal Medicine, Forensic Medicine; **Stream #5:** Oriental Medical Practices- Siddha, Ayurveda, Unani, Homeopathy, Naturopathy, Physiotherapy, Acupuncture and Acupressure, Gene Therapy, Yoga Therapy

## Biological Sciences

**Stream #1:** Human Immune System, Human Genetics, Structural and Functional Genomics, Fractal Genomics, System Biology, Cellular and Molecular Biology, Bioethics and Biotechnology, Bioinformatics, Genome Data Analytics; **Stream #2:** Physical Anthropology, Animal Biology - Physiology and Anatomy, Animal Communication, Aquaculture, Evolution, Aquatic and Marine Biology, Physiology of Amphibians, Poultry farming, Entomology, Ornithology, Microbiology, Biochemistry, Extraterrestrials; **Stream #3:** Plant Biology, Genetically Modified Plants, Medicinal Plants, Underwater Plants, Trees, Creepers, Shrubs, Fungi, Weeds, Horticulture, Sociobiology

## Physical Sciences

**Stream #1:** Nuclear Science, Heat, Light and Sound, Classical and Quantum Mechanics, Quantum Optics, Huygen Optics, Astronomy, Astrology, Electricity and Magnetism, Earth Science, Atmospheric and Oceanography, Cybernetics of Living Matter, Quantum Chemistry, Organic Chemistry, Inorganic Chemistry, Stereo Chemistry, Physical Chemistry, Industrial Chemistry, Space Science, Cosmology, Radiation Belts and Magnetosphere, Cosmic Rays, Nuclear Magnetic Resonance, Radiation Effects on Physical Body, Biomagnetic Fields and Aura Imaging.

## Engineering Sciences

**Stream #1:** Biomedical Instruments, Biometrics, Digital Health, DNA Computing, Quantum Computing, Molecular Computing, Tele Medicine, Tele Robotic Surgery, Portable Health Records, Gait Analysis, Brain-Computer Interface; **Stream #2:** Hospital Administration, Operating Theater Management, Remote Monitoring of Patients, Virtual Reality, Machine Learning, Big Data Analytics, Image Processing, Signal Processing, Pattern Recognition and Analysis, Modeling and Simulation, Computer Aided Medical Support, Emergency Management Technology, Disaster Management, Environmental Engineering, Social Engineering, Remote Sensing and GIS, Communication Engineering, Electromagnetism and Electromagnetic Theory, Public Health Engineering, Transport Engineering, Instrument technology, Artificial limbs and Prosthetics, Health informatics, Safety engineering, Security and Defense, Agricultural engineering, Textile engineering, Cosmetology / cosmetics, Radiological Systems, Surgical Tools and Accessories, Anesthetic Systems, Genetic Engineering, IT Enabled healthcare Management, Bio design, Computational theory of Mind, Mind as Machine, Neuro- Linguistic Programming, Nanorobotics, Big data in Healthcare, Biomagnetic Field Theory, Nanotechnology, Nano-bio Technology, Industrial Nanotechnology, Molecular Electronics, Micro Electromechanical Devices, Genomic Signal Processing, Codon Spaces, Encryption and Decryption, Mobile Computing, Cloud Computing, Wearable Computing, Aerospace and Aerodynamics, Structural Engineering, Underwater Communication, Subsurface Imaging, Mining Engineering, Archaeological Analytics, Detection and Estimation Theory, Radar Engineering, Satellite Communication, Space Travel, Planetary Movement and its Effect on Human Beings; **Stream #3:** MRI, Computer Tomography (CT), X-ray, Mammography, Molecular Imaging, ECG, Surgical Instruments, Hemoglobin Meter, Auto Hematology Analyzer, Dialysis Machine, Laparoscopic Systems, Neuropathy Analyzer, Pulmonary Function Test Instrument, PCR, Real time PCR, Electron Microscopy, Laser Doppler imaging (LDI), DNA Sequencing and Next-generation Sequencing Microarrays, Mass Spectrometry, Flow Cytometry, and Electrophoresis

The authors need not restrict to the above topics alone. Suggestions for including new topics related to the three categories are also welcome.

## EVENTS

### KEYNOTE ADDRESSES

Keynote Addresses will be delivered by eminent academicians and prominent industrialists.

### PAPER PRESENTATIONS

More than 400 papers will be presented by authors over forty five sessions, with eight presentations in each session related to a particular field of study. The papers are categorized as: (i) **Contributed Papers** (Papers that describe original research output, applications and developments that have not been presented elsewhere previously by any one), (ii) **Students Papers** (We provide an opportunity to undergraduate and graduate students (**NOT PhD students**) to express their novel ideas, views and findings). Students are requested **NOT to CUT and COPY from Internet**. On the other hand they are advised to take support from faculty members while writing their papers. An award and a citation would be presented to the author of the best student paper selected during the oral presentation by a team of experts in their respective stream of field.

### PROJECT DEMONSTRATION / THESIS PRESENTATION (COMPETITION)

This event is essentially a competition among students (Undergraduate as well as Post Graduates). Undergraduate students are encouraged to demonstrate their projects that have been approved by their departments for on-the-spot peer evaluation. Best undergraduate projects in various categories would be identified for award. Post Graduate students (M.E./ M.Sc./ M.Tech) and research scholars (PhD) are also encouraged to present their approved theses before the review committee members during the conference and best thesis award would be conferred based on referees' recommendations. There will be a meeting wherein PhD scholars can discuss their problems and seek technical support from other participants.

### WORKSHOPS

Technical workshops will be conducted by international and national companies and research laboratories regarding the various nuances of their technology and products for the benefit of the Academicians, Industrialists and Students.

### TUTORIALS

Internationally renowned Professors will give tutorial lectures on topics of current research interests. Those who are interested to benefit from these tutorials have to register in advance.

### PANEL DISCUSSIONS

There will be Panel Discussions on varied topics. The speakers and participants will include some of the Who's-Who of the varied segments of Society, Scientists and Technocrats.

### EXPOSITION

The Conference Exposition is aimed at bringing together intellectuals and entrepreneurs from different walks of academics and business under a common roof for constructive interaction and development. It will showcase to the world community, the latest and the most advanced Software, Hardware, IT products and scientific literature.

# Invited Speakers of ICSCI Conferences



G. Chitra (MD, PRC)



E. G. Rajan (PRC)



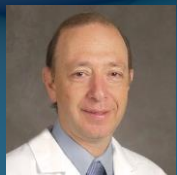
Dieter Lukoschus



Michel McKubre (SRI)



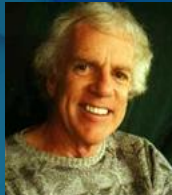
Claudio Moraga



Peter A. Glass (Stony)



Alexander Ya Kaplan



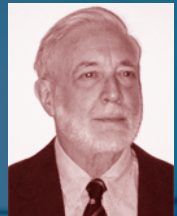
Brian O'Leary (NASA)



Gerhard Chroust



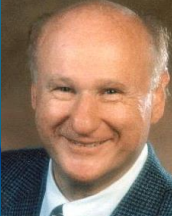
Richard M. Stallman (MIT)



W. M. Wonham



Srinivas Pentyala



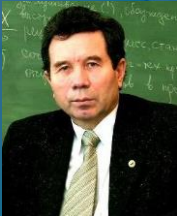
Andras Pellionisz



Michael Patrick Coyle



S. S. Iyengar (LSU, USA)



S. N. Vassilyev (RAS)



M. Srinivasan



Matjaz Mulej (Slovakia)



Sr. Judge M. Chawki



S. A. Patil



Stephen Moo Kim



Y. S. Rajan



Xing Zhong Li



Steve Krivit (USA)



W. Schutzberger (Germany)



Pradeep Khosla (CMU)



R. Sethuraman (MIT)



Charles Winer (Purdue)



Dirk van Dalen



Steve Tyson (Australia)



Cornelis M. Keur  
(Ex Consul General, USA, Hyd)



Lt. Col. Kimball  
(Director, S&T, US Army)



B. G. Dogra IPS



Lt Gen Patil  
(Indian Army)



Rajiv Sharma  
(IIT Madras)



Kambhamettu (Udel)



Routray (IIT Kgp)



Deepak (AIIMS, New Delhi)



Ram Dantu (MIT)



Mohanty (IIT Kgp)

# International Conference

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## How to submit a paper ?

Prepare your paper using the **paper template.doc** that is available in the web site. Send a soft copy of the paper by email to **icsci2017@gmail.com**. Send all the forms duly filled in all respects along with the paper using the same email ID. Please go through the instructions given in web site thoroughly before you attempt to send the paper and the accompanying forms. Hard copy of the paper along with the hard copies of the respective forms have to be sent to the following address:

CONFERENCE COORDINATOR  
ICSCI-2017  
201, VENKAT HOMES, MIGH - 59, MEHDIPATNAM  
HYDERABAD - 500 028, TELANGANA STATE, INDIA

## Important Dates

Last date for submission of full length papers and proposals : **Septemebr 10, 2016**  
Acceptance of papers and proposals would be informed by : **Septemeber 30, 2016**  
Last date for final registration : **October 20, 2016**

## Important Note

*Proceedings of ICSCI-2017 would be printed and marketed by Sai Art Printers, Secunderabad, Telangana State, India.* Prospective authors are invited to submit their original research papers and complete all formalities well before the stipulated last dates and help us serve better. *Authors of accepted papers are required to register for the conference (Pay registration fee by Demand Draft only) well before October 20, 2016.* For registration details, please visit **www.icsci.net**. Please understand **ICSCI** events are organized by a research company with a **service motto** and hence the conference secretariat is staffed with minimum number of people. Inordinate delay in providing required details during any transaction would cause unbearable burden on the staff. Cooperate with us in all dealings. It is your conference and hence you are entitled to suggest and advise the secretariat for a successful conduct of the events.

## Office Bearers

Conference Chair

**Dr. Michael P. Coyle**

(CEO, Avatar MedVision US., LLC. NC., USA)

Conference Co-Chair

**Chevalier Dr. Tony Constantinides**

(Imperial College of Science, Technology and Medicine, UK)

Conference Secretary

**Pat Krishnan**

(CEO, Helios and Matheson, New York, USA)

## Contact Us

Send Papers and Proposals to

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Conference Coordinator

**Dr. A. R. Poongothai**

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