

CALL FOR PAPERS

Special Focus
40th International Symposium on

HEALTH, HEALTH CARE SYSTEMS, HEALING & INTELLIGENT MEDICINE

to be held
August 3 -7, 2020
in
Baden-Baden
Germany

Jointly Organized and Chaired by

Prof. Dr. George Lasker, Conference Chairman and President of the IIAS, CA
Prof. Dr. Helmut Sauer, Director of the IIAS, Germany
Prof. Dr. James T. Ziegenfuss, Jr., Penn State University, USA

The **International Symposium on Health, Healing and Intelligent Medicine** will be part of the 40th Anniversary Meeting of the International Institute for Advanced Studies in Systems Research and Cybernetics, to be held July August 3 - 7, 2020 in conjunction with the 32nd International Conference on Systems Research, Informatics and Cybernetics, in Baden-Baden, Germany.

The Symposium will discuss new developments and advances in **Medicine & Health Care**. It will study innovative tools, methods, models, concepts and approaches that can be used to intelligently diagnose, treat, cure and prevent diseases, disorders, and traumatic injuries, and to improve and restore human health and functioning.

In addition to addressing new developments and advances in the classical areas of Medicine, the

Symposium will also provide a forum for scientific exploration and discussion of novel ideas in other areas of Medicine such as: *Health Maintenance and Preventative Health Care, Rehabilitation Medicine, Restorative Medicine, Informational Medicine, Nano-Medicine*, and other related fields. It will examine the influence, the role and the synergistic effects of material and non-material substances, environmental factors, information and energies on human health and healing. It will discuss new concepts, methodologies and intelligent tools, treatments and innovative therapeutic strategies that have recently emerged in various branches of Medicine and related disciplines.

The Symposium will study the underlying mechanisms of generating, transmitting and processing of information, signals, vibrations and energies within the human body at the nanoscale, subatomic, atomic, molecular, genetic, cellular, organ and body systems level. The Symposium will also explore how information, vibrations and energies can be used for diagnostic purposes, and most importantly, how they can be utilized therapeutically to facilitate and accelerate the healing process and restore the human health.

The Symposium aims at developing *a new reference framework* for an intelligent, multi-factorial customized treatment of wide variety of ailments, disorders and diseases. This should be accomplished by *selectively integrating* various concepts and approaches with new discoveries and advances in quantum physics, field theory, genetics, nutritional science, synergetics, biochemistry, biophysics, molecular biology, cybernetics, systems science, informatics, nano-technology, bio-mimicry and bio-mimetic engineering.

This forum will also explore how newly emerging concepts, innovative approaches, and new intelligent systems of various branches of Medicine (e.g. Informational, Vibrational, Bio-Energetic, and others) can be used in everyday medical practice, in their own right, or as auxiliary adjunct tools that would help to potentiate, enhance and maximize *the healing effects* of conventional medical treatments, and ultimately mitigate or minimize their undesirable *side-effects* and *after-effects*.

In addition to the above outlined topics, papers are invited that would deal with various bio-informational and bio-energetic aspects of nutrition, preventative and rehabilitation medicine, genetic counseling, environmental health research, and many other topics, which would include (but are not limited) to:

TRACK I - Clinical Medicine:

- **New Intelligent Diagnostic and Therapeutic Strategies**
- **Stem Cells Research and Stem Cells Therapeutic Applications**
- **New Developments in Genetic Therapy and in Epigenetics**
- **Advances in Human Immune System Research / Human Immunity**
- **Advances in Early Cancer Detection and Cancer Treatment**
- **Tissue Engineering**
- **Artificial Organs**
- **Advances in Transplantations**

- Systems, Techniques and Procedures for Minimally Invasive Surgery
- Medical / Surgical Robotic Systems Operations

TRACK II – Health Care Delivery and Management:

- Intelligent Health Care Delivery Management Systems / Healthcare Informatics
- Designing Taylor-Made Customized Treatment and Therapy
- Preventative Medicine
- Genetic Counseling
- Intelligent Approaches to Health and Healing
- Community Based Active Aging Programs
- Chronic Disease Management Strategies
- Internet-Based Medicine
- Tele-Medicine
- Virtual Hospice
- Application of Virtual Reality Systems in Medicine
- Collaborative Virtual Networks and Organizations in Health Care and Medicine

TRACK III – Complementary Medicine:

- Health, Healing and Human Mind
- Spiritual, Mental, Emotional and Social Aspects of Human Health
- Psychosomatic Medicine and Psychological Medicine
- Mental and Emotional Health
- The Role of Time, Rhythms, Cycles and Synchronicity in Medical Treatment & Healing
- Intelligent Nutrition and Intelligent Nutritional Therapy
- New Paradigms and Concepts of Intelligent Medicine
- Informational and Bio-Energetic Medicine
- Cybernetic and Synergetic Systems and Processes in Intelligent Medicine
- Bio-Informational Therapy and Treatments
- Using Molecular Tools and Molecular Knowledge of Human Body
- Cellular Repairs at the Molecular Level: Models, Tools and Methodology
- Advances in Nanomedicine: Diagnostics and Treatment

Abstracts of papers for this Symposium should be submitted for evaluation by **March 30, 2019**. All papers will be refereed. Those selected will be scheduled for presentation and published in Conference Proceedings. Notification of Acceptance will be sent to authors by **April 9, 2020**. Camera-ready copies of full papers, not exceeding six pages, should be e-mailed by **May 9th, 2020** to:

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Please note: The Paper Submission Guidelines, the Copyright Transfer Form, Conference Registration Form and other relevant information about the Conference are available

at: <http://www.ias.edu>

Important dates

- **Abstract submission deadline** **March 30, 2020**
- **Notification of acceptance** **April 9, 2020**
- **Final paper submission deadline** **May 9, 2020**

The Symposium is sponsored by

**The International Institute for Advanced Studies
in Systems Research and Cybernetics (IIAS)**

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