

ICAR -2017

1st International Conference on Advanced Research

VOLUME 01

The Domain Hotel
Manama, Bahrain

Date: 25th & 26th of January, 2017



Asia Pacific Institute of Advanced Research
Nurturing knowledge without boundaries

Conference:

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Chief Editor: Professor Yoser Gadhoum

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Asia Pacific Institute of Advanced Research (APIAR)
Suite 1A Level 2; 802 Pacific Highway; Gordon NSW 2072; Australia

FAX: (+61) 02 9844 5445

Tel: (+61) 0420 963 175

Email: info@apiar.org.au

Web: <http://apiar.org.au>

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CONFERENCE NAME

"1st International Conference on Advanced Research
(ICAR -2017), Bahrain"

CONFERENCE CHAIR

Prof. Yoser Gadhoum, Dean of Research Development, Prince Mohammad
Bin Fahd University, KSA.

**PREFACE FROM THE
CONFERENCE CHAIR**

I am delighted and honoured to host the First International Conference on Advanced Research (ICAR-2017). The conference is organized by the Asia Pacific Institute on Advanced Research (APIAR) and Prince Mohammad Bin Fahd University (PMU), Saudi Arabia. I wish to extend a warm welcome to all the scholars and postgraduate students coming from 12 countries to attend this event in the magnificent city of Manama in Bahrain on January 25–26, 2017. Judging from the wide range of the topics submitted, we will have a very informative and instructive conference. We are pleased to welcome 50 scholars who will impart their expertise and knowledge at the sessions that will cover multi-disciplinary areas with a focus on four key disciplines: business, education, information technology and social sciences.

While I trust that you will take a keen interest in the sessions, I hope you will also take time to enjoy the fascinating city of Bahrain with its tropical setting, friendly people and multicultural cuisine. This annual gathering is intended to enable a productive dialogue between scholars from different disciplines and research backgrounds. The conference will also provide an invaluable opportunity for networking and fruitful contacts between scholars from various countries.

I would like to emphasize the importance the conference is placing on Discovering the Differences between the academic disciplines, identifying the best practices in different industries, and the importance of taking into consideration the difference between cultures and ideologies in designing our research questions and research methodologies. As international-mindedness and intercultural awareness are complimentary, these elements should be an integral part PROF. YOSER GADHOUM Conference Chair Prince Mohammad Bin Fahd University, KSA. This annual gathering is intended to enable a productive dialogue between scholars from different disciplines and research backgrounds. " of research and 21st century skills in any soft technology transfer in order to value diversity and differences while shaping our citizens by teaching the findings of research.

Epistemologically, any research design should be motivated by society and business needs. Methodologies can vary across a spectrum of approaches – from purely quantitative to purely qualitative. Myths that some disciplines or methodologies are superior to others are inaccurate. The efficiency of a research question should be measured by its potential to improve the wellbeing of citizens in a given society, and by extension, for all human beings.

I am sure that this conference with its highly important theme will be invaluable in helping to motivate research where boundaries between disciplines and prejudgment that traditional disciplines such as engineering, chemistry, physics or medical sciences are more important than social or human sciences are progressively demolished. Indeed, globalization, market integration, intercultural exchanges and the multi-facets of terrorism that characterize our current decade present many challenges to us as researchers and oblige us to cooperate with the aim of achieving a better life for all on earth. I hope this conference will highlight possible avenues of cooperation between the attendees and also result in some beneficial, cutting-edge resolutions that can positively impact our Global Village for each Citizen of the World.

In closing, I wish to take this opportunity to express my gratitude to the management of PMU and the organizers of APIAR for enabling the first of what will be an annual event to take place. I wish all participants a very fruitful and productive conference.

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"USING VIRTUAL BANG-BANG CONTROLLERS TO OPTIMIZE TREATMENT OF BRAIN TUMORS"

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