

CCC'07 Panel on “Outlook of Control and Automation”

We are living in an exciting information-rich age. New ideas, new discoveries and new technological inventions pop up on a daily basis. Advances in information technology, nanotechnology and biotechnology have led to the betterment of human beings. We have plenty of reasons to believe that 21st century Science and Technology will continue to advance our knowledge about Nature's truths and bring many societal benefits. Naturally, we ask ourselves the following questions:

- How can Control Science contribute to 21st century science and technology?
- What are the fundamental problems in Controls that need to be addressed now?
- What are the important key issues in Control and Automation that will have a direct impact on the transformation of this information age?
- What can we do, either as a control student or as a control researcher, to make a real difference in the future?

To look into these questions among many other issues, the Technical Committee in Control Theory of the Chinese Association of Automation has established a panel consisting of experts and active researchers working at the frontiers of Controls. A panel session will be held at the 2007 Chinese Control Conference (CCC); please visit the conference website for more information: <http://sise.csu.edu.cn/ccc07/indexdp.htm>

We invite you to join us in the search for the answers to these questions, and more importantly, we look forward to hearing your views about the future of our field of Control and Automation.

Chair: Jie Huang (The Chinese University of Hongkong, IEEE Fellow)

Co-chair: Zhongping Jiang (Polytechnic Univ.)

Panelists: Xiren Cao (The Hongkong University of Science and Technology, IEEE Fellow)

Benmei Chen (National University of Singapore, IEEE Fellow)

Han-Fu Chen (Chinese Academy of Sciences, Member of Chinese Academy of Sciences, Fellow of the Academy of Sciences for the Developing World, IEEE Fellow)

Guangren Duan (Harbin Institute of Technology, winner of the National Science Fund for Distinguished Young Scholars)

Lei Guo (Chinese Academy of Sciences, Member of Chinese Academy of Sciences, Fellow of the Academy of Sciences for the Developing World, IEEE Fellow)

Zongli Lin (University of Virginia, IEEE Fellow)

CCC'07 专题研讨会 “展望控制与自动化的未来”

我们生活在一个活跃的信息时代，新思维、新发现和新技术日新月异。信息技术、纳米技术和生物工程的进展改变着我们的生活。我们有充分的理由相信，21 世纪的科学技术将进一步充实我们对世界的理解和改善我们的生活条件。在此，我们不禁反问自己

- 控制科学将对 21 世纪的科学技术做何贡献？
- 什么是控制科学面临的基本问题？
- 控制与自动化影响社会信息化进程的最关键因素是什么？
- 作为控制专业的学生或研究人员，我们怎样才能在未来做得更好？

为探讨这些以及相关问题，中国自动化学会控制理论专业委员会邀请了一些活跃在控制领域研究前沿的专家学者组织了 this 专题研讨会。研讨会将在 2007 年中国控制会议期间举行，详见会议网页：<http://sise.csu.edu.cn/ccc07/index.htm>

我们诚邀您同我们一起探讨上述问题，期盼听到您对我们的事业——控制与自动化——未来的高见。

研讨会主席：黄捷（香港中文大学，IEEE Fellow）

协主席：姜钟平（Polytechnic Univ.）

主要发言人：曹希仁（香港科技大学，IEEE Fellow）

陈本美（国立新加坡大学，IEEE Fellow）

陈翰馥（中国科学院，中国科学院院士，第三世界科学院院士，IEEE Fellow）

段广仁（哈尔滨工业大学，国家杰出青年基金获得者）

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