

Topic: Innovation and Practice of GNC Education

Education is to last for the scientific and technological innovation generations. The cultivation of innovative talents in the discipline of guidance, navigation and control (GNC) plays a significant role in the vigorous development of GNC in China. Aiming at the innovative education in the field of GNC, the GNC Model Teacher Forum is established for the first time in this conference. This forum invites three national model teachers to share the innovation patterns, concepts and methodologies in modern GNC education, as well as their valuable experience and understanding in educational practice.

About the Chair

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Tao Zhang, PhD, Professor, Vice Dean of School of Information Science and Technology, Head of Department of Automation, Tsinghua University. He is a member of Electronic Science and Technology Committee of Ministry of Industry and Information Technology, Invited Expert of Ministry of Science and Technology, Director of Intelligent System Key Laboratory of Beijing National Research Center for Information Science and Technology. He is IET Fellow, IEEE Senior Member, Member of IFAC Technical Committee of Robotics, AIAA member, Technical Editor of IEEE/ASME Transactions on Mechatronics.

He is a council member of Chinese Association of Automation, a council member of Chinese Association for Artificial Intelligence, director of Education Committee of Chinese Association of Automation, deputy director of Professional Committee of Space and Motion Control of Chinese Association of Automation, member of Guidance, Navigation and Control Branch of Chinese Society of Aeronautics and Astronautics.

The main research fields are robotics, artificial intelligence, navigation and control, etc. He has presided over or participated in more than 30 research projects, such as national 863 projects, national 973 projects and National Natural Science Foundation. More than 200 papers have been published in the past decade. He has published more than 10 academic monographs, translated works and edited textbooks, and obtained more than 20 domestic authorized invention patents. He has won the National Teaching Achievement award, Graduate Teaching Achievement Award of China Academic Degree and Graduate Education Association, Education Achievement Award of Chinese Association of Automation, Beijing Teaching Achievement Award, Natural Science Award of Ministry of Education, Military Science and Technology Progress Award, Natural Science Award of Chinese Association of Automation and Electronic Information Science and Technology Award of Chinese Institute of Electronics, etc.