Topic: Subject (X)＝The Know-how of GNC in X Engineering Practice (x ∈ Aeronautics or Astronautics or Marine)

Guidance, navigation and control (GNC) is the key technology for movement objects applied in aeronautics, astronautics, and marine. This forum invites five well-known Chief Designers from the fields of aeronautics, astronautics, and marine to share their good ideas to effectively solve any typical engineering and technical problems related to GNC in their research field. The wonderful presentation and on-site interaction of the front-line Chief Designers will reveal the philosophy and scientific principle contained in the GNC engineering innovation.

About the Chair

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Yingxun Wang is a professor and doctoral supervisor in Beihang University, Beijing, China. He is currently the president of Institute of Unmanned System and Yunnan Innovation Institute in Beihang University. He is also the council member of China Society of Aeronautics and Astronautics, the director of UAV system professional group in China AOPA UAV professional committee, and the appointed representative of UAV driver. He used to be director of UAV Office in Aviation Industry Corporation of China (AVIC).

He is engaged in autonomous control of UAV, key model development and project management, and served as the deputy chief designer and chief designer. He has obtained IPMP senior project manager qualification and INCOSE Certified System Engineer lecturer. He won the first prize of national science and technology progress (R3), the outstanding young engineer of Beijing, the pacesetter of economic and technological innovation of Beijing, and the gold medal of AVIC.