Subject: Invited Session Proposal for ICSPAC 2021

Proposed Session Name: Recent Advances in Intelligent Control, Optimization, Learning and Applications

Intelligent control, optimization and learning is an exciting subfield of engineering and new results at both the theoretical and practical levels continue to be developed by numerous researchers and practicing engineers. This motivates us to organize a special session at ICSPAC 2021 to show some of these recent advances in intelligent control, optimization, learning and their engineering applications. We believe that ICSPAC 2021 is a suitable forum for presenting some new results in this field, and expect that through organization of some special topic invited sessions, we will entice more graduate students to be interested in intelligent control, optimization and learning. The topics of this session explicitly include but are not limited to the following aspects:

- Sliding mode control, fuzzy control, neural network control
- Adaptive dynamic programming, model predictive control
- Deep learning, reinforcement learning
- Applications of above theories

Yours sincerely,

Li-Ying Hao, Dalian Maritime University
Xin Wang, Heilongjiang University

Organizers:

Session Chair: Li-Ying Hao

Session Co-Chair: Xin Wang