燕山大学 YANSHAN UNIVERSITY
机械工程学院
COLLEGE OF MECHANICAL ENGINEERING

厚德 博学 求是

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师资力量

- ▣ 人才建设
- ▣ 博士生导师
- ▣ 教授名录
- ▣ 全院教师

教师姓名: 于洪年	所在部门: 机械电子工程系
性　别: 男	现有职称: 教授
出生年月: 1960-10-31	导师身份: 无
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学　历:	电子信箱:
毕业院校: 英国伦敦大学	
现任职务: 燕山大学机械工程国家一级重点学科，教授	
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🔲 基本教学信息

🔲 研究生教学信息

🔲 科研信息

▶ 完成项目信息

1)主持英日自适应人机电一体化(Human Adaptive Mechatronics)研究联合网络(英国工程和自然科学基金项目),课题组中有多名来自英国和日本的教授（Owens，Parkins，Furuta，Fukuda 等）；

2)首次提出了组合非线性鲁棒自适应 控制方法并应用到机器人的控制上(nonlinear combined adaptive/robust control with applications to robotics) 并获得IEE最佳论文奖(FC Williams Prize)；

3)与中国科学院数学与系统科学研究院系统控制重点实验室合作研究离散事件随机系统控制理论及应用(此项研究获得英国皇家学会和中科院的资助)。

▶ 学术论文信息

Modelling and Remote Control of an Excavator, International Journal of Automation and Computing,2010 Hasan, Mohammad Shahidul, Yu, Hong-Nian*

Road edge recognition for mobile robot using laser range finder International Journal of Advanced Mechatronic Systems (IJAMECHS),2010 Hongbo Wang, Zhengwei Hu, Hongnian Yu*

Independent cycle time assignment for min-max systems International Journal of Automation and Computing,v7,May 2010 Chen,Wen-De; Tao,Yue-Gang; Yu,Hong-Nian*

Mobile robot localisation using ZigBee wireless sensor networks and a vision sensor International Journal of Modelling, Identification and Control, August 2010 Wang Hongbo, Yu Ke, Yu Hongnian*

Co-simulation of wireless networked control systems over mobile ad hoc network using SIMULINK and OPNET IET Commuications,AUG 2009 Hasan M.S., Yu H.*, Carrington A., Yang T.C.

Variable structure control of a capsule robot system Proceedings of the 2009 IEEE International Conference on Networking, Sensing and Control, 2009 Liu Yang, Yu Hongnian*

Cart propulsion using a revolving pendulum Proceedings of the 2009 IEEE International Conference on Networking, Sensing and Control, 2009 Wane Sam, Yu Hongnian*

Model predictive control applied into time delay capsubot system 2009 International Conference on Intelligent Human-Machine Systems and Cybernetics, IHMSC 2009, Chen Wei; Fang Min; Yu Hongnian*

Closed-loop tracking control of a pendulum-driven cart-pole underactuated system Journal of Systems and Control Engineering, 2008 Yu H, Liu Y, Yang T

Decentralized PD control for non-uniform motion of a Hamiltonian hybrid system Inoue, Akira Source: International Journal of Automation and Computing, April 2008 Deng Mingcong,Yu Hongnian*, Inoue Akira

An overview of simulation in Supply Chains Advanced Design and Manufacture to Gain a Competitive Edge: New Manufacturing Techniques and their Role in Improving Enterprise Performance, January 14,2008 Zheng Xin, Yu Hongnian*, Atkins Anthony

Comparative performance of intelligent algorithms for system identification and control, Journal of Intelligent System

s, 2008 Hossain M.A., Madkour A.A.M.,Dahal K.P., Yu H.*

On tracking control of a pendulum-driven cart-pole underactuated system,International Journal of Modelling, Identification and Control,2008 Yu Hongnian, Liu Yang,Yang Tai

Theoretical and experimental investigation of the effect of oil aeration on the load-carrying capacity of a hydrodynamic journal bearing,Journal of Engineering Tribology, November 2007,Goodwin MJ, Dong D,Yu H*, Nikolajsen JL

Intelligent learning algorithms for active vibration control,Applications and Reviews, September 2007,Madkour A, Hossain MA, Dahal KP,Yu H*

Tracking control of a pendulum-driven cart-pole underactuated system,Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics, 2007 Yu Hongnian, Liu Yang, Yang Tai

Optimization and control of a pendulum-driven cart-pole system,2007 IEEE International Conference on Networking, Sensing and Control, 2007 Liu Yang, Yu Hongnian*, Burrows Brian

Ceiling light landmarks based localization and motion control for a mobile robot,2007 IEEE International Conference on Networking, Sensing and Control,2007 Wang Hongbo, Yu Hongnian*, Kong Lingfu

Inventory management simulation using a novel replenishment algorithm,2007 IEEE International Conference on Networking, Sensing and Control, 2007 Zheng Xin, Yu Hongnian*, Atkins Anthony

Minimal realization in linear system of max-algebra Kongzhi yu Juece/Control and Decision,May 2006 Sun Zhi-Min, Chen Wen-De, Yu Hong-Nian*

▶ 科研获奖信息

1998年，首次提出组合非线性鲁棒自适应控制方法，并应用到机器人的控制上，因此荣获IEE 最佳论文奖(FC Williams Prize)。

🧊 社会信息

▶ 社会兼职信息

国际期刊任职：

1. Guest editor of Special Issue on Human Adaptive Mechatronics, International Journal of Modelling, Identification and Control.
2. Member of the Editorial Board, International Journal of Automation and Computing.
3. Member of the Editorial Board, International Journal of Agile Systems and Management.
4. Member of the Editorial Board, International Journal of Advanced Mechatronic Systems.

▶ 学习工作简历

学习经历：

1.学士(B.S.)，1978.2-1982.1，中国，哈尔滨工业大学，工业自动化；
2.硕士（M.S.），1982.9-1985.3，中国，东北重型机械学院，工业自动化；
3.博士(PhD)，1990.10-1994.9，英国，伦敦大学，机械工程；

工作经历：

1.讲师（Lecturer），1985.12-1990.7，中国，燕山大学(Yanshan University)；
2.研究学者（Research Fellow），1994.4-1996.3，英国，萨塞克斯大学(Sussex University)；
3.讲师（Lecturer），1996.4-1999.3，英国，利物浦约翰摩尔大学(Liverpool John Moore University)；
4.讲师（Lecturer），1999.4-2002.3，英国，埃克斯特大学 (Exeter University)；
5.高级讲师（Senior Lecturer），2002.4-2004.9，英国，布拉德福德大学(Bradford University)；
6.教授（Professor），2004.10-现在，英国，斯塔福德郡大学(Staffordshire University)。