**2012 Publication of Dr. YangQuan Chen**

Last updated: 4/14/2012. “\*” corresponding author; “+” student co-author

**Encyclopedia entry:**

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* Ying Luo+ and YangQuan Chen\*. “*Fractional Order Motion Controls*” **John-Wiley and Sons, Inc.**, 2012 (Under contract, to appear Fall 2012, 400 pages)
* Zhuang Jiao+, YangQuan Chen\* and Igor Podlubny. “*Distributed-Order Dynamic Systems: Stability, Simulation, Applications and Perspectives*” **SpringerBrief**  <http://www.springer.com/engineering/control/book/978-1-4471-2851-9>
* Haiyang Chao+ and YangQuan Chen\*. “*Remote Sensing and Actuation Using Unmanned Vehicles*” **Wiley-IEEE Press**, 2012 (Under copyediting, to appear summer 2012, 200+ pages) <http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118122763,subjectCd-EE79.html>
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1. Wen Chen\* and YangQuan Chen. A System Transformation-based Robust Iterative Learning Control Synthesized with Sliding-mode Control for Output Tracking. **ISA Transactions**. 2/3/2012 submitted (QG Wang)
2. Zeng, Caibin (43604); Chen, YangQuan\* (14519); Yang, Qigui (53594). Almost sure and moment stability properties of LTI stochastic dynamic systems driven by fractional Brownian motion. **Automatica**. 3/22/2012 submitted.
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5. Ying Luo\* (63522), Tao Zhang (26906), Li Zhou (40409), BongJin Lee (86664), Changik Kang (86665), YangQuan Chen (21208). “Pre-Filtering Head-Dependent Adaptive Feed-Forward Compensation for Linear Vibration in Hard-Disc-Drive.” **IFAC Control Engineering Practice**.
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  + Yaojin Xu, Yu-Ping Tian\*, YangQuan Chen (80800, 9173, 21208) Design of Consensus Protocol for Nonholonomic Systems under Directed Communication Topology. CDC2012
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  + Hadi Malek, Sara Dadras, YangQuan Chen\* (80997, 68812, 21208) A Fractional Order Maximum Power Point Tracker: Stability Analysis and Experiments (Code 7w5t4)
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**Editorials:**

1. Editorial. GUEST – EDITORS:Virginia Kiryakova, Yury Luchko, Francesco Mainardi, Blas Vinagre, Igor Podlubny, YangQuan Chen. SPECIAL ISSUE Dedicated to 80th Anniversary of Professor Rudolf Gorenflo. **Fractional Calculus and Applied Analysis**. Volume 14 / 2011 DOI: 10.2478/s13540-011-0001-0.
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**Patent Disclosures Filed**

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