Applied Fractional Calculus Research Group, <http://mechatronics.ucmerced.edu/AFC>

MESA (Mechatronics, Embedded Systems and Automation) Lab,

School of Engineering, University of California, Merced

4/16/2014

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| --- | --- | --- | --- | --- |
|  | Name | role | Email | Interests |
| 1 | Dr. YangQuan Chen | MESA Lab Director, EECS/ME/SNRI/HSRI/UCSolar, | yqchen@ieee.org | Fractional calculus in controls and signal processing, human-centric complex systems, cyber-physical systems |
| 2 | Dr. Tomas Oppenheim | postdoc research fellow | [toppenheim@ucmerced.edu](mailto:toppenheim@ucmerced.edu)  toppenhe@gmail.com | Nanomaterial, nanoengineering, nanobiology |
| 3 | Dr. Jiacai Huang | visiting professor | jhuang88@ucmerced.edu | Motion control |
| 4 | Dr. Xiaodong Sun | visiting professor | xsun7@ucmerced.edu | Physiological signal processing using fractional calculus |
| 5 | Dr. Guimei Zhang | visiting professor | gzhang9@ucmerced.edu | FO Image/Vision Processing |
| 6 | Dr. Zhanbing Bai | visiting professor | zhanbingbai@163.com | FO BVP |
| 7 | Dr. Zhigang Lian | visiting professor | zlian2@ucmerced.edu | FO PSO, search science |
| 8 | Jianxiong Cao | exchange Ph.D. student | jcao6@ucmerced.edu | Numerical analysis of fractional PDEs; DRONE MATH |
| 9 | Yanan Qiu | exchange Ph.D. student | qiuyajingbo@163.com | Nonlinear systems and controls, gain scheduling |
| 10 | Xiaobao Jia | Visiting Scholar | xjia3@ucmerced.edu | Human-in-the-loop control of energy efficient buildings |
| 11 | Taizhi Lyu | Visiting Scholar | tlyu@ucmerced.edu | fractional calculus and smart health |
| 12 | Zhuo Li | Ph.D. candidate | [zli32@ucmerced.edu](mailto:zli32@ucmerced.edu) | MIMO FO process control |
| 13 | Tiebiao Zhao | Ph.D. student | tzhao3@ucmerced.edu | unmanned systems, remote sensing UAVs |
| 14 | Marwin Ko | MSc. student | mko3@ucmerced.edu | Stress detection, human factors in UAVs |

Mailing List

Spring 2014 Convener:

Jianxiong Cao, [jcao6@ucmerced.edu](mailto:jcao6@ucmerced.edu)



We should do group workshop biweekly for 2 hours each.

Spring 2014 Schedule

Best time for Dr. Chen is 4-6PM Mon in Castle.

(Leaving campus to Castle 3:27pm arriving 3:52pm, workshop starts at 4:00pm, finishes at 6:00PM, using 6:07pm bus to return campus, arriving campus at 6:40pm)

We can explore using conference rooms on campus as well as Skype or Microsoft Lync 2010.

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| Date | Location | Speaker |
| 04/21/2014 Mon. 4-6PM. | MESA LAB  ENG CAS 820 | All, using a template PPT to be sent |
| 05/05/2014 Mon. 4-6PM. | MESA LAB  ENG CAS 820 | * We select 5 speakers, and rotate. So each speak 20 min or so. * Mainly on your own work. If no results to share, please select one or more papers to focus on (check with Dr. Chen first on the theme so your time can be best spent!) * Jianxiong will send out reminders, and get every one’s talk info (flyers) and maintain a group webpage <http://mechatronics.ucmerced.edu/AFC> |
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