

丁 明
(Ding Ming)
Curriculum Vitae

生日: 1980 年 10 月 09 日

性别: 男

年龄: 41 岁

Business address:

名古屋大学 未来社会创造机构

Global Research Institute for Mobility in Society (GREMO)

地址: 日本爱知县名古屋市千种区不老町 (邮编: 464-8601)

电话: +81-(52)-747-6976 **邮箱:** dingming@ieee.org

网址: <http://www.dingming.info>



Professional interests:

机器人 (Robotics), 机器人控制 (Robot Control), 人机交互 (Human-Robot Interaction), 自动驾驶 (Autonomous Driving), 生物力学 (Biomechanics), 人体建模 (Human Modeling), 计算机视觉 (Computer Vision), ...

Employment:

- **特任副教授 (Designated Associate Professor)** 2019.11 ~ (现在)
日本名古屋大学, 未来社会创造机构, Global Research Institute for Mobility in Society (GREMO)
- **客座副教授 (Visiting Associate Professor)** 2019.11 ~ 2021.03
奈良先端科学技术大学院大学, 先端科学技术研究科, 信息科学领域, 机器人研究室
- **助教 (Assistant Professor)** 2015.05 ~ 2019.10
奈良先端科学技术大学院大学, 先端科学技术研究科, 信息科学领域, 机器人研究室
- **访问学者 (Visitor)** 2017.11 ~ 2018.10
卡内基梅隆大学, 机器人学院
- **特任助教 (Designated Assistant Professor)** 2014.03 ~ 2015.04
名古屋大学, 领军人才培养计划, 实世界数据循环学
- **研究员 (Researcher)** 2011.10 ~ 2014.02
日本理化学研究所, RIKEN-TRI 人间共存机器人联合研究中心
- **博士后研究员 (Postdoctoral Researcher)** 2010.04 ~ 2011.07
东京理科大学, 工学研究科

Education:

- **博士 (工学)** 奈良先端科学技术大学院大学 (NAIST), 日本
指导老师: 小笠原 司 教授 2007.04 ~ 2010.03

- **FUNAI Foreign Student Scholarship** Apr. 2005 ~ Mar. 2006
- **Best Paper Award** Mar. 2005
for graduation thesis: “A study of behavior learning by autonomous mobile robot”
- **Honors Scholarship** for Privately Financed International Students Apr. 2003 ~ Mar. 2005
- **Scholarship** for student of the year (ECUST) 1999, 2000

Publications:

- Refereed Journal Papers -

1. **Ming Ding**, Mikihisu Nagashima, Sung-Gwi Cho, Jun Takamatsu, and Tsukasa Ogasawara, “Control of walking assist exoskeleton with time-delay based on the prediction of plantar force”, *IEEE Access*, vol. 8, pp. 138642–138651, 2020.
2. Tetsuya Kurasumi, Sung-Gwi Cho, **Ming Ding**, Gustavo Alfonso Garcia Ricardez, Masahiro Yoshikawa, Jun Takamatsu, and Tsukasa Ogasawara, “Simultaneous estimation of upper limb pose and joint torque based on upper arm deformation”, *IEEE Transactions on Medical Robotics and Bionics*, vol. 2, no. 3, pp. 2576–3202, 2020.
3. Sung-Gwi Cho, Masahiro Yoshikawa, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Machine-learning-based hand motion recognition system by measuring forearm deformation with a distance sensor array”, *International Journal of Intelligent Robotics and Applications*, vol. 3, no. 4, pp. 418–429, 2019.
4. Lotfi El Hafi, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “STARE: Realtime, Wearable, Simultaneous Gaze Tracking and Object Recognition from Eye Images”, *SMPTE Motion Imaging Journal*, Vol. 126, No. 6, pp. 37-46, 2017.
5. Ahmed Asker, Samy F. M. Assal, **Ming Ding**, Jun Takamatsu, Tsukasa Ogasawara and A. M. Mohamed, “Modeling of natural sit-to-stand movement based on minimum jerk criterion for natural-like assistance and rehabilitation”, *Advanced Robotics*, Vol. 31, No. 17, pp. 901-917, 2017.
6. **Ming Ding**, Takamitsu Matsubara, Yoshihito Funaki, Ryojun Ikeura, Toshiharu Mukai and Tsukasa Ogasawara, “Generation of Comfortable Lifting Motion for a Human Transfer Assistant Robot”, *International Journal of Intelligent Robotics and Applications*, pp. 74-85, 2017.
7. Keishi Ashida, Yoshifumi Morita, Ryojun Ikeura, Kiyoko Yokoyama, **Ming Ding**, and Yuki Mori, “Effective Rocking Motion for Inducing Sleep in Adults - Verification of Effect of Mother’s Embrace and Rocking Motion”, *Journal of Robotics, Networks and Artificial Life*, Vol. 1, No. 4, pp. 285-290, 2015.
8. Yuki Mori, Ryojun Ikeura, and **Ming Ding**, “Estimation of Care Receiver’s Position Based on Tactile Information for Transfer Assist Using Dual Arm Robot”, *Journal of Robotics and Mechatronics*, Vol. 26, No. 6, pp. 743-749, 2014.

9. Takayuki Onodera, Eiji Suzuki, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Force, Stiffness and Viscous Damping Control of a Stewart-Platform-Type Ankle-Foot Rehabilitation Assist Device with Pneumatic Actuator”, *Journal of Robotics and Mechatronics*, vol.25, no.6, pp. 897-905, 2013.
10. Satoshi Kudoh, Akira Obara, Yuu Satoh, **Ming Ding**, Hiroshi Mizoguchi, and Hiroshi Takemura, “Enhancement of Plantar Tactile Sensitivity by Wearable Stabilization Device Based on Stochastic Resonance for Fall Prevention”, *Journal of Robotics and Mechatronics*, vol.25, no.6, pp. 888-896, 2013.
11. William Gallagher, **Ming Ding**, and Jun Ueda, “Relaxed Individual Control of Skeletal Muscle Forces via Physical Human-robot Interaction”, *Multibody System Dynamics*, 2013.
12. Hiroshi Takemura, Takayuki Onodera, **Ming Ding**, and Hiroshi Mizoguchi, “Design and Control of a Wearable Stewart Platform-Type Ankle-Foot Assistive Device”, *International Journal of Advanced Robotic Systems*, 2012.
13. **Ming Ding**, Kotaro Hirasawa, Yuichi Kurita, Hiroshi Takemura, Hiroshi Mizoguchi, Jun Takamatsu and Tsukasa Ogasawara, “Pinpointed Muscle Force Control via Optimising Human Motion and External Force”, *International Journal of Mechatronics and Automation*, vol.2, no.3, pp.147-159, 2012.
14. Shinichiro Suzuki, Akira Chaki, Kentaro Sekiguchi, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Effect of Reduced Plantar Sensation on Human Gaits on Various Terrains”, *Journal of Robotics and Mechatronics*, vol.23, no.2, pp.258-265, 2011.
15. Jun Ueda, **Ming Ding**, Vijaya Krishnamoorthy, Minoru Shinohara, and Tsukasa Ogasawara, “Individual Muscle Control Using an Exoskeleton Robot for Muscle Function Testing”, *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol.18, no.4, pp.339-350, Aug. 2010.
16. Shinji Kuriyama, **Ming Ding**, Yuichi Kurita, Jun Ueda and Tsukasa Ogasawara, “Flexible Sensor for McKibben Pneumatic Artificial Muscle”, *International Journal of Automation Technology*, Vol. 3, No. 6, pp. 713-740, 2009.
17. **Ming Ding**, Jun Ueda and Tsukasa Ogasawara, “Pinpointed Muscle Force Control Using a Power-assisting Device”, *Journal of the Robotics Society of Japan*, Vol. 27, No. 9, pp. 75-83, 2009 (in Japanese).

- Book Chapters -

1. Jun Ueda and **Ming Ding**, “Individual Control of Redundant Skeletal Muscles using an Exoskeleton Robot”, *Redundancy in Robot Manipulators and Multi-Robot Systems, Lecture Notes in Electrical Engineering, Edited by Dejan Milutinovic and Jacob Rosen, Springer*, pp. 183-199, Vol. 57, ISBN 978-3-642-33970-7, 2013.

- Refereed International Conference Proceedings Papers -

1. Yinjie Niu, **Ming Ding**, Yuxiao Zhang, Kento Ohtani, and Kazuya Takeda, “Auditory and visual warning information generation of the risk object in driving scenes based on weakly supervised

- learning”, *The 2022 IEEE Intelligent Vehicles Symposium (IV)*, Jun. 2022.
2. **Ming Ding**, Eijiro Takeuchi, Yoshio Ishiguro, Yoshiki Ninomiya, Nobuo Kawaguchi, and Kazuya Takeda, “How to monitor multiple autonomous vehicles remotely with few observers: An active management method”, *The 2021 IEEE Intelligent Vehicles Symposium (IV)*, pp. 1168–1173, Jul. 2021.
 3. Sung-Gwi Cho, Tetsuya Kurasumi, Masahiro Yoshikawa, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Estimation of forearm pose based on upper arm deformation using a deep neural network”, *the IEEE International Conference on Robotics and Biomimetics (ROBIO)*, pp. 1245–1250, Dec. 2019.
 4. Tatsuya Sakuma, Elaine Phillips, Gustavo Alfonso Garcia Ricardez, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “A parallel gripper with a universal fingertip device using optical sensing and jamming transition for maintaining stable grasps”, *the IEEE International Conference on Intelligent Robots and Systems (IROS)*, pp. 5814–5819, Nov. 2019.
 5. Akishige Yuguchi, Tomoaki Inoue, G. A. Garcia Ricardez, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Real-time gazed object identification with a variable point of view using a mobile service robot”, *the 28th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, New Delhi, India, Oct. 2019.
 6. Tetsuya Kurasumi, Sung-Gwi Cho, **Ming Ding**, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu, and Tsukasa Ogasawara, “Simultaneous estimation of elbow joint angle and load based on upper arm deformation”, *the 2019 IEEE International Conference on Cyborg and Bionic Systems (CBS)*, pp. 136–141, Sep. 2019.
 7. Mikihiisa Nagashima, Sung-Gwi Cho, **Ming Ding**, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu, and Tsukasa Ogasawara, “Prediction of plantar forces during gait using wearable sensors and deep neural networks”, *the 41th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, pp. 3629–3632, Jul. 2019.
 8. Takuya Kiyokawa, **Ming Ding**, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu, and Tsukasa Ogasawara, “Generation of a tactile-based pouring motion using fingertip force sensors”, *the 2019 IEEE/SICE International Symposium on System Integrations (SII)*, pp. 669–674, Paris, France, Jan. 2019.
 9. Sung-Gwi Cho, Masahiro Yoshikawa, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Estimation of hand motion based on forearm deformation”, *2018 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, pp. 2291–2296, Dec. 2018.
 10. Sung-Gwi Cho, Masahiro Yoshikawa, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “A Universal Gripper Using Optical Sensing to Acquire Tactile Information and Membrane Deformation”, *the IEEE International Conference on Intelligent Robots and Systems (IROS)*, Oct. 2018.
 11. Daiki Yoshioka, **Ming Ding**, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu, and Tsukasa Ogasawara, “Scoop the semi-liquid objects using a spoon-equipped Robot arm for Meal Support”, *ASME 2018 Dynamic Systems and Control Conference (DSCC)*, Atlanta, Georgia, USA, Sep. 2018.

12. **Ming Ding**, Ryuzo Baba, Kristada Masanthia, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu, and Tsukasa Ogasawara, “Estimation of the Operating Force from the Human Motion”, *the 40th International Engineering in Medicine and Biology Conference (EMBC)*, Honolulu, USA, Jul. 2018.
13. Gustavo Alfonso Garcia Ricardez, Atsushi Ito, **Ming Ding**, Masahiro Yoshikawa, Jun Takamatsu, Yoshio Matsumoto, and Tsukasa Ogasawara, “Wearable Device to Record Hand Motions based on EMG and Visual Information”, *the 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA)*, Oulu, Finland, Jul. 2018.
14. Kenta Toyoshima, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “What is Required for a Robot to Gently Stroke a Human using its Hand”, *ICRA2018 Workshop on Elderly Care Robotics Technology and Ethics*, Brisbane, Australia, May, 2018.
15. Felix Von Drigalski, Marcus Gall, Sung-Gwi Cho, **Ming Ding**, Jun Takamatsu, Tsukasa Ogasawara, and Tamim Asfour, “Textile Identification Using Fingertip Motion and 3D Force Sensors in an Open-Source Gripper”, *the 2017 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Macao, China, Dec. 2017.
16. Akishige Yuguchi, Gustavo Alfonso Garcia Ricardez, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Gaze Calibration for Human-Android Eye Contact Using a Single Camera”, *the 2017 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Macao, China, Dec. 2017.
17. Wataru Yamazaki, **Ming Ding**, Jun Takamatsu, Tsukasa Ogasawara, “Hand Pose Estimation and Motion Recognition Using Egocentric RGB-D Video”, *the 2017 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Macao, China, Dec. 2017.
18. **Ming Ding**, Tatsuya Suzuki, and Tsukasa Ogasawara, “Estimation of Driver’ s Posture using Pressure Distribution Sensors in Driving Simulator On-Road Experiment”, *International Conference on Cyborg Bionic Systems (CBS)*, Beijing, China, Oct. 2017.
19. Sung-Gwi Cho, Masahiro Yoshikawa, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Hand Motion Recognition Using a Distance Sensor Array”, *IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*, Lisbon, Portugal, Aug. 2017.
20. Makoto Ikawa, Etsuko Ueda, Akishige Yuguchi, Gustavo Alfonso Garcia Ricardez, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Quantification of Elegant Motions for Receptionist Android Robot”, *the 19th International Conference on Human-Computer Interaction (HCII)*, pp. 435-446, Vancouver, Canada, Jul. 2017.
21. Felix Von Drigalski, Daiki Yoshioka, Wataru Yamazaki, Sung-Gwi Cho, Marcus Gall, Pedro Miguell Uriguen Eljuri, Viktor Hoerig, **Ming Ding**, Jun Takamatsu, Tsukasa Ogasawara, and Jessica Beltran, “NAIST Openhand M2S: A Versatile Two-Finger Gripper Adapted for Pulling and Tucking Textile”, *2017 First IEEE International Conference on Robotic Computing (IRC)*, pp. 117-122, Taichung, Taiwan, Apr. 2017.
22. Lotfi El Hafi, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Gaze Tracking and Object Recognition from Eye Images”, *2017 First IEEE International Conference on Robotic Computing (IRC)*, Taichung, Taiwan, Apr. 2017.

23. Ahmed Asker, Samy F. M. Assal, **Ming Ding**, Jun Takamatsu, Tsukasa Ogasawara, and Abdelfatah Mohamed, “Experimental Validation of a Motion Generation Model for Natural Robotics-Based Sit to Stand Assistance and Rehabilitation”, *the 2016 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Qingdao, China, Dec. 2016.
24. Lotfi El Hafi, **Ming Ding**, Jun Takamatsu, and Tsukasa Ogasawara, “Gaze Tracking Using Corneal Images Captured by a Single High-Sensitivity Camera”, *2016 International Broadcasting Convention (IBC)*, Amsterdam, Netherlands, Sep. 2016.
25. Takamitsu Matsubara, Yoshihito Funaki, **Ming Ding**, Tsukasa Ogasawara, and Kenji Sugimoto, “Data-Efficient Human Training of a Care Motion Controller for Human Transfer Assistant Robots using Bayesian Optimization”, *6th IEEE RAS & EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob)*, Singapore, Jun. 2016.
26. **Ming Ding**, Hiroki Nitta, and Tatsuya Suzuki, “Machine Learning based Estimation of Driving Posture using Pressure Distribution Sensors”, *SICE Annual Conference 2015*, Hangzhou, China, Jul. 2015 (Position Paper).
27. Keishi Ashida, Yoshifumi Morita, Ryojun Ikeura, Kiyoko Yokoyama, **Ming Ding**, and Yuki Mori, “Effective Rocking Motion for Inducing Sleep in Adults - Verification of Effect of Mother’s Embrace and Rocking Motion”, *the 2015 International Conference on Artificial Life and Robotics (ICAROB)*, pp. 41-46, HorutoHall, Oita, Jan. 2015.
28. Teru Yonezawa, Takayuki Onodera, **Ming Ding**, Hiroshi Mizoguchi, Hiroshi Takemura, and Takeki Ogitsu, “Development of Three-dimensional Motion Measuring Device for the Human Ankle Joint by Using Parallel Link Mechanism”, *the 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, pp.4358-4361, 2014.
29. **Ming Ding**, Ryojun Ikeura, Yuki Mori, Toshiharu Mukai, and Shigeyuki Hosoe, “Lift-up Motion Generation of Nursing-care Assistant Robot Based on Human Muscle Force and Body Softness Estimation”, *2014 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM)*, Besancon, France, Jul. 2014.
30. **Ming Ding**, Ryojun Ikeura, Yuki Mori, Toshiharu Mukai, and Shigeyuki Hosoe, “Measurement of Human Body Stiffness for Lifting-Up Motion Generation Using Nursing-care Assistant Robot - RIBA”, *the 2013 IEEE Sensors Conference*, Baltimore, MD, USA, Nov. 2013.
31. Minghui Sun, Hiromichi Nakashima, Shinya Hirano, Kazuya Matsuo, **Ming Ding**, Chang’ an Jiang, Toshiharu Mukai, and Guihe Qin, “Adaptive User-Centered Design for Safety and Comfort of Physical Human Nursing –Care Robot Interaction”, *International Conference of Digital Human Modeling and Applications in Health, Safety, Ergonomics, and Risk Management*, Las Vegas, NV, USA, Jul. 2013.
32. Takayuki Onodera, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Posture Control Using New Ankle-Foot Assist Device with Stewart Platform Type Parallel Link Mechanisms”, *the 2012 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Guangzhou, China, Dec. 2012.
33. **Ming Ding**, Ryojun Ikeura, Toshiharu Mukai, Hiromichi Nagashima, Shinya Hirano, Kazuya Matsuo, Minghui Sun, Chang’ an Jiang, and Shigeyuki Hosoe, “Comfort Estimation During

- Lift-up Using Nursing-care Robot - RIBA”, *2012 First International Conference on Innovative Engineering Systems (ICIES)*, Alexandria, Egypt, pp. 246-250, Dec. 2012.
34. Takayuki Onodera, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Design and Development of Stewart Platform-Type Assist Device For Ankle–Foot Rehabilitation”, *2012 First International Conference on Innovative Engineering Systems (ICIES)*, Alexandria, Egypt, pp. 1-6, Dec. 2012.
 35. **Ming Ding**, Takayuki Onodera, Ryojun Ikeura, Hiroshi Takemura, and Hiroshi Mizoguchi, “Position, Force and Stiffness Control of a Stewart-Platform-Type Ankle-Foot Assist Device”, *the 2012 Dynamic Systems and Control Conference (DSCC)*, Ft. Lauderdale, FL, USA, Oct. 2012.
 36. **Ming Ding**, Tomohiro Iida, Hiroshi Takemura, and Hiroshi Mizoguchi, “Displacement Estimation for Foot Rotation Axis Using a Stewart-Platform-Type Assist Device”, *the 4th International Conference on Intelligent Robotics and Applications (ICIRA)*, Aachen, Germany, Part I, LNAI 7101, pp. 221–229, Dec. 2011.
 37. Ryosuke Osaki, Hiroshi Takemura, **Ming Ding**, Hiroshi Hyodo, Kohei Soga, and Hiroshi Mizoguchi, “3D Bioimaging Sensor of Breast Cancer Cell Using Rare-earth-doped Ceramic Nanophosphors and Near-infrared”, *the 2011 IEEE Sensors Conference*, Limerick, Ireland, pp. 1784-1787, Oct. 2011.
 38. **Ming Ding**, Takayuki Onodera, Hiroshi Takemura, and Hiroshi Mizoguchi, “Development of a New Foot-ankle Assist Device with Stewart Platform Mechanism”, *2011 International Biomechanics Conference and Annual Meeting of Taiwanese Society of Biomechanics (TBS)*, Taiwan, Oct. 2011.
 39. Satoshi Kudoh, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Improvement of Plantar Tactile Sensitivity by Stochastic Resonance for Prevention of Falling”, *the 4th International Congress on Image and Signal Processing (CISP)*, Shanghai, China, pp. 187-190, Oct. 2011.
 40. Yusuke Kitano, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Constant Execution Time Multiple Human Detector Regardless of Target Number Increase Based on HLAC”, *the 2011 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM)*, Budapest, Hungary, pp. 13-18, Jul. 2011.
 41. **Ming Ding**, Kotaro Hirasawa, Yuichi Kurita, Hiroshi Takemura, Jun Takamatsu, Hiroshi Mizoguchi, and Tsukasa Ogasawara, “Pinpointed Muscle Force Control in Consideration of Human Motion and External Force”, *the 2010 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Tianji, China, pp. 739-744, Dec. 2010.
 42. Shinichiro Suzuki, Akira Chaki, **Ming Ding**, Hiroshi Takemura, and Hiroshi Mizoguchi, “Influence of Plantar Insensitive for Human Gait in Even and Uneven Terrain”, *the 1st International Conference on Applied Bionics and Biomechanics (ICABB)*, Venice, Italy, Oct. 2010.
 43. **Ming Ding**, Yuichi Kurita, Jun Ueda, and Tsukasa Ogasawara, “Pinpointed Muscle Force Control Taking Intro Account the Control DOF of Power-assisting Device”, *the 2010 Dynamic Systems and Control Conference (DSCC)*, Cambridge, Massachusetts, Sep. 2010.

44. Shinji Kuriyama, **Ming Ding**, Yuichi Kurita, Jun Ueda, and Tsukasa Ogasawara, “Flexible Sensor for Mckibben Pneumatic Actuator”, *the 2009 IEEE Sensors Conference*, Christchurch, New Zealand, Oct. 2009.
45. Jun Ueda, Moiz Hyderabadwala, **Ming Ding**, Tsukasa Ogasawara, Vijaya Krishnamoorthy, and Minoru Shinohara, “Individual Muscle Control using an Exoskeleton Robot for Muscle Function Testing”, *the 2009 Dynamic Systems and Control Conference (DSCC)*, Hollywood, California, Oct, 2009.
46. **Ming Ding**, Jun Ueda, and Tsukasa Ogasawara, “Pinpointed Muscle Force Control Using a Power-Assisting Device: System Configuration and Experiment”, *the 2nd IEEE RAS & EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob)*, pp. 181-186, pp. 181-186, Scottsdale, USA, Oct. 2008.
47. **Ming Ding**, Jun Ueda, and Tsukasa Ogasawara, “Development of MAS - a system for pinpointed muscle force control using a power-assisting device”, *the 2007 IEEE International Conference on Robotics and Biomimetics (Robio)*, pp. 1463-1469, Sanya, China, Dec. 2007.
48. Jun Ueda, **Ming Ding**, Masayuki Matsugashita, Reishi Oya, and Tsukasa Ogasawara, “Pinpointed control of muscles by using power-assisting device”, *the 2007 IEEE International Conference on Robotics and Automation (ICRA)*, pp. 3821-3828, Roma, Italy, Apr. 2007.

Books

1. Yugui, (丁明, 吕嘉 译), “Ruby 语言入门”, 东南大学出版社, ISBN: 9787564121341, 2010.