2009 IEEE/RSJ International Conference on Intelligent Robots and Systems

October 11-15, 2009, Hyatt Regency St. Louis Riverfront, St. Louis, USA

October 11 (Sunday)		
08:30 – 17:30	Workshop/Tutorial: SuT1 - SuT11	
18:00 – 20:00	Welcome Reception	(Grand D and E)
October 12 (Monday)		
08:00 – 08:15	Opening Ceremony	(Grand D and E)
08:15 – 09:15	Plenary Talk 1: Fish Biorobotics Professor George V. Lauder, Harvard University, U.S.A	(Grand D and E)
09:25 – 10:45	Technical Sessions: MoIT1-18	
11:00 – 12:40	Technical Sessions: MoIIT1-18	
12:40 – 14:00	Gold Lunch	(Grand D and E)
14:00 – 15:40	Technical Sessions: MoIIIT1-16	
16:00 – 17:40	Technical Sessions: MoIVT1-16	
18:00 – 21:20	Botanical Garden Dinner Tour	(Botanical Garden)
October 13 (Tuesday)		
08:00 – 09:00	Plenary Talk 2: The Roles Automation and Robotics Can Play in Resolving Global Energy Issues Mr. Edward C. (Ted) Fox Oak Ridge National Laboratory, U.S.A	(Grand D and E)
09:10 – 10:30	Technical Sessions: TuIT1-16	
10:50 – 12:30	Technical Sessions: TuIIT1-16	
12:30 – 14:00	Lunch Discussion: Government Panel on Robotic Research and Funding	(Grand D and E)
14:00 – 15:40	Technical Sessions: TuIIIT1-16	
16:00 – 17:40	Technical Sessions: TuIVT1-16	
18:30 – 21:00	Conference Banquet	(Grand D and E)
October 14 (Wednesday)		
08:00 – 09:00	Plenary Talk 3: Insect Machine Hybrid System Professor Ryohei Kanzaki, University of Tokyo, Japan	(Grand D and E)
09:10 – 10:30	Technical Sessions: WeIT1-16	
10:50 – 12:30	Technical Sessions: WeIIT1-16	
12:30 – 14:00	Award Lunch	(Grand D and E)
14:00 – 15:40	Technical Sessions: WeIIIT1-16	
16:00 – 17:40	Technical Sessions: WeIVT1-16	
18:00 – 20:00	Farewell Reception	(Grand D and E)
October 15 (Thursday)		
08:30 – 17:30	Workshop/Tutorial: ThT1 - ThT7	

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Room	Grand A	Grand B	Grand C	Grand F	Grand G	Grand H	Mills 1	Mills 2	Mills 3	Mills 4	Mills 5	Mills 6	Mills 7	Mills 8	Sterling 6	Sterling 7	Sterling 8
October 11 (Sunday)																	
08:30-17:30							WS/TU SuT1	WS/TU SuT2	WS/TU SuT3	WS/TU SuT4	WS/TU SuT5	WS/TU SuT6	WS/TU SuT7	WS/TU SuT8	WS/TU SuT9	WS/TU SuT10	WS/TU SuT11
18:00-20:00	**Welcome Reception**																Grand D and E

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October 12 (Monday)																	
08:00-08:15	**Opening Ceremony**																Grand D and E
08:15-09:15	**Plenary Talk 1: Fish Biorobotics** **Professor George V. Lauder, Harvard University, U.S.A**																Grand D and E
09:25-10:45	**MoIT1:** Range Sensing	**MoIT2:** Human Robot Interaction I	**MoIT3:** Medical Robotics I	**MoIT4:** Mini Locomotion Robots	**MoIT5:** Sensor Fusion I	**MoIT6:** Bio-Inspired Control	**MoIT7:** Legged Robots I	**MoIT8:** Robot Audition I	**MoIT9:** Marine Robotics	**MoIT10:** Tractile Sensing	**MoIT11:** Underwater Robots	**MoIT12:** Manipulator Motion Planning I	**MoIT13:** Camera Calibration	**MoIT14:** Intelligent Transportation Systems	**MoIT15:** Robot Control I	**MoIT16:** SLAM: Features & Landmarks	**MoIT18:** Video Session
11:00-12:40	**MoIIT1:** Humanoid Robot Body Motion	**MoIIT2:** Human Robot Interaction II	**MoIIT3:** Medical Robotics II	**MoIIT4:** Microrobots	**MoIIT5:** Sensor Fusion II	**MoIIT6:** Biologically-Inspired Robotic Devices	**MoIIT7:** Legged Robots II	**MoIIT8:** Robot Audition II	**MoIIT9:** Autonomous Agents	**MoIIT10:** Industrial Applications	**MoIIT11:** Advanced Control Techniques in Micro/Nano Manipulation I	**MoIIT12:** Manipulator Motion Planning II	**MoIIT13:** Gait Pattern and Locomotion	**MoIIT14:** Applications of Visual Tracking	**MoIIT15:** Robot Control II	**MoIIT16:** SLAM with Vision	**MoIIT18:** Poster Session
12:40-14:00	**Gold Lunch**																Grand D and E
14:00-15:40	**MoIIIT1:** Humanoid Robot Locomotion	**MoIIIT2:** Rehabilitation Robotics I	**MoIIIT3:** Mapping I	**MoIIIT4:** Field Robotics - Planning & Control	**MoIIIT5:** Outdoor Navigation	**MoIIIT6:** Haptics I	**MoIIIT7:** Grasping I	**MoIIIT8:** Underactuated Robots	**MoIIIT9:** Nanorobotic Manipulation	**MoIIIT10:** Multi-Robot Systems Communication	**MoIIIT11:** Advanced Control Techniques in Micro/Nano Manipulation II	**MoIIIT12:** Manipulator Motion Planning III	**MoIIIT13:** Body Movement Modeling and Analysis	**MoIIIT14:** Cellular Robots	**MoIIIT15:** Robot Localization and Mapping I	**MoIIIT16:** Visual SLAM	
16:00-17:40	**MoIVT1:** Humanoid Robot Planning & Control	**MoIVT2:** Rehabilitation Robotics II	**MoIVT3:** Mapping II	**MoIVT4:** Field Robotics - Systems	**MoIVT5:** Intelligent Vehicle Navigation	**MoIVT6:** Haptics II	**MoIVT7:** Grasping II	**MoIVT8:** Multi-Finger Grasping	**MoIVT9:** Micro/Nano Robots and Assembly	**MoIVT10:** Autonomous Vehicles	**MoIVT11:** Motion Analysis	**MoIVT12:** Distributed Robotics: Traffic Control & Exploration	**MoIVT13:** Robot Calibration	**MoIVT14:** Service Robots	**MoIVT15:** Robot Localization I	**MoIVT16:** SLAM: Theory	
18:00-21:20	**Botanical Garden Dinner Tour**																

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October 13 (Tuesday)																
08:00-09:00	**Plenary Talk 2: The Roles Automation and Robotics Can Play in Resolving Global Energy Issues** **Mr. Edward C. (Ted) Fox Oak Ridge National Laboratory, U.S.A**															Grand D and E
09:10-10:30	**TuTI1:** Motion Control	**TuTI2:** Fish-Like Robot	**TuTI3:** Medical Robotics III	**TuTI4:** Laser Ranging Applications	**TuTI5:** Sensors Networks	**TuTI6:** Bio-Inspired Robots	**TuTI7:** Robot Hand	**TuTI8:** Robot Audition III	**TuTI9:** Entertainment Robotics	**TuTI10:** Education Robotics	**TuTI11:** Space Robotics I	**TuTI12:** Robots with Emerging Technologies I	**TuTI13:** Robot Control III	**TuTI14:** Nonholonomic Motion Planning	**TuTI15:** Path Planning for Multi-Arm Systems	**TuTI16:** Visual Tracking I
10:50-12:30	**TuTII1:** Humanoid Robot Motion Control	**TuTII2:** Human Robot Interaction III	**TuTII3:** Biomedical Mechatronics	**TuTII4:** Learning I	**TuTII5:** Sensing & Control in Medical Robotics	**TuTII6:** Biologically-Inspired Robot Design	**TuTII7:** Pose Estimation	**TuTII8:** Robot Audition IV	**TuTII9:** Millirobots	**TuTII10:** Search & Rescue Robots	**TuTII11:** Networked Robots I	**TuTII12:** Aerial Robotics I	**TuTII13:** Smart Actuators	**TuTII14:** Control Methods for Biped Walking Robot	**TuTII15:** Path Following and Control	**TuTII16:** Visual Tracking II
12:30-14:00	**Lunch Discussion: Government Panel on Robotic Research and Funding**															Grand D and E
14:00-15:40	**TuTIII1:** Humanoid Robot Biped Walking & Balance Control	**TuTIII2:** Human Robot Interaction IV	**TuTIII3:** Mapping III	**TuTIII4:** Learning II	**TuTIII5:** Sensing, Cognition & Learning	**TuTIII6:** Haptics III	**TuTIII7:** Walking Robots	**TuTIII8:** Force Control	**TuTIII9:** Micro-Manipulators	**TuTIII10:** Robotics in Hazardous Fields	**TuTIII11:** Space Robotics II	**TuTIII12:** Aerial Robotics II	**TuTIII13:** mpedance & Force Control	**TuTIII14:** Robot Programming	**TuTIII15:** Robot Localization and Mapping II	**TuTIII16:** Visual Odometry
16:00-17:40	**TuTIV1:** Humanoid Robot Action	**TuTIV2:** Rehabilitation Robotics III	**TuTIV3:** Mapping IV	**TuTIV4:** Snake-Like Robot	**TuTIV5:** Sensing Systems & Algorithms	**TuTIV6:** Haptics IV	**TuTIV7:** Social Human-Robot Interaction	**TuTIV8:** Formation Planning & Control	**TuTIV9:** Surveillance with Vision	**TuTIV10:** Advanced Industrial Robot Applications	**TuTIV11:** Networked Robots II	**TuTIV12:** Aerial Robotics III	**TuTIV13:** Motion Planning for Mobile Robots	**TuTIV14:** Artificial Intelligence	**TuTIV15:** Robot Localization II	**TuTIV16:** View Planning
18:30-21:00	**Conference Banquet**															Grand D and E

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October 14 (Wednesday)																
08:00-09:00	**Plenary Talk 3: Insect Machine Hybrid System** **Professor Ryohei Kanzaki, University of Tokyo, Japan**															Grand D and E
09:10-10:30	**WeTI1:** Ranging with Sonar, Laser & Lidar	**WeTI2:** Rehabilitation Robotics IV	**WeTI3:** Medical Surgery Robot	**WeTI4:** Robot Vehicles I	**WeTI5:** Sensor Fusion for Localization & Mapping	**WeTI6:** Dexterous Manipulation	**WeTI7:** Learning & Adaptive Systems	**WeTI8:** Dynamic Modeling and Control	**WeTI9:** Personal Robots	**WeTI10:** Object Detection & Recognition	**WeTI11:** Monitoring Humans	**WeTI12:** Robots with Emerging Technologies II	**WeTI13:** Multi-Robot Interaction & Control	**WeTI14:** Planning in Robotic Sensing	**WeTI15:** Path Planning & Navigation	**WeTI16:** Autonomous Marine Robotics
10:50-12:30	**WeTII1:** Humanoid Robot I	**WeTII2:** Rehabilitation Robotics V	**WeTII3:** Medical Robotic System	**WeTII4:** Robot Vehicles II	**WeTII5:** Algorithms for Navigation	**WeTII6:** Bilateral Teleoperation	**WeTII7:** Learning Systems	**WeTII8:** Modeling & Design of Legged Robots	**WeTII9:** Micro-Manipulation	**WeTII10:** Object Shape Recognition	**WeTII11:** Place and Object Recognition	**WeTII12:** Distributed Robotics: Formation & Task Allocation	**WeTII13:** Multi-Robot Formation Control	**WeTII14:** Robotics Mobility	**WeTII15:** Path Planning with Adaptation	**WeTII16:** Topological SLAM & SLAM Applications
12:30-14:00	**Award Lunch**															Grand D and E
14:00-15:40	**WeTIII1:** Humanoid Robot II	**WeTIII2:** Human Robot Interaction V	**WeTIII3:** Biological Inspired Robotics	**WeTIII4:** Mobile Robot Control I	**WeTIII5:** Sensor Path Planning	**WeTIII6:** Telerobotics - Haptics	**WeTIII7:** Design of Robotic Mechanisms I	**WeTIII8:** Modeling the Environment	**WeTIII9:** Computer Vision Algorithums	**WeTIII10:** Manipulation	**WeTIII11:** Modular Robots	**WeTIII12:** Aerial Robotics: Visual Navigation	**WeTIII13:** Multi-Robot Manipulation	**WeTIII14:** Neural & Fuzzy Control	**WeTIII15:** Path Planning: Mobile Robots	**WeTIII16:** Visual Servoing I
16:00-17:40	**WeTIV1:** Humanoid Robot III	**WeTIV2:** Human Robot Interaction VI	**WeTIV3:** Surgery Robots	**WeTIV4:** Mobile Robot Control II	**WeTIV5:** Sensor Fusion III	**WeTIV6:** Teleoperation with Time Delay	**WeTIV7:** Design of Robotic Mechanisms II	**WeTIV8:** Robots with Flexible Structures	**WeTIV9:** Computer Vision Methologies	**WeTIV10:** Control of Robot Manipulation	**WeTIV11** Planning	**WeTIV12:** Distrubuted Robotics: Sensing	**WeTIV13:** Multi-Robot Cooperation	**WeTIV14:** Redundant Robots	**WeTIV15:** Path Planning: Multiple Mobile Robots	**WeTIV16:** Visual Servoing II
18:00-20:00	**Farewell Reception**															Grand D and E

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October 15 (Thursday)																
08:30-17:30							WS/TU ThT1		WS/TU ThT3	WS/TU ThT4	WS/TU ThT5	WS/TU ThT6	WS/TU ThT7	Meeting with Dr. Oh, NSF	WS/TU ThT2	