

[MP] Poster Session 1

Time: 11:00-12:00

Room: Lobby

- MP-01 Speech/Music Discrimination for Robust Speech Recognition in Robots**
Mu Yeol Choi, Hwa Jeon Song, and Hyung Soon Kim (Pnusan Nat'l Univ., Korea)
- MP-02 Age and Gender Classification for Home-Robot Service**
Hye-Jin Kim, Kyungsook Bae, and Keunchang Kwak (ETRI, Korea)
- MP-03 Considering Microphone Positions in Sound Source Localization Methods: in Robot Application**
ByoungHo Kwon (KAIST, Korea), Gyeongho Kim (KAERI, Korea), and Youngjin Park (KAIST, Korea)
- MP-04 Multiple Targets Localization Through Bats ' Auditory Pathway Modeling**
J. Gwan Lim, Soo-Young Lee, and Dong-Soo Kwon (KAIST, Korea)
- MP-05 Minimal Representation of Speech Signals for Generation of Emotion Speech and Human-Robot Interaction**
Heyounh Lee (Seoul Nat'l Univ. of Tech., Korea) and Z. Zenn Bien (KAIST, Korea)
- MP-06 Omni-directional Audio-Visual Speaker Detection for Mobile Robot**
Thatsaphan Suwannathat, Jun-ichi Imai, and Masahide Kaneko (The Univ. of Electro-Communications, Japan)
- MP-07 Development of an Intelligent Wheelchair with Visual Oral Motion**
Takeshi Saitoh, Noriyuki Takahashi, and Ryosuke Konishi (Tottori Univ., Japan)
- MP-08 Effective Head Gestures for Museum Guide Robots in Interaction with Humans**
Yoshinori Kuno, Kazuhisa Sadazuka, Michie Kawashima, Sachie Tsuruta, Keiichi Yamazaki (Saitama Univ., Japan), and Akiko Yamazaki (Future Univ.-Hakodate, Japan)
- MP-09 A Run-time Estimate Method of Measurement Error Variance for Kalman Estimator**
Jae-gu Kang (UST-KIST, Korea) and Bum-jae You (KIST, Korea)
- MP-10 Hand Gesture Recognition to Understand Musical Conducting Action**
Hongmo Je (POSTECH, Korea)
- MP-11 Real-time 3D Head Tracking and Head Gesture Recognition**
Wooju Ryu and DaiJin Kim (POSTECH, Korea)
- MP-12 Connecting the Physical World and Events Schedule of User Calendar for Symbiotic Systems**
Sidiq Hidayat (Tsukuba Univ., Japan), Bong Keun Kim, Tamio Tanikawa, and

Kohtaro Ohba (AIST, Japan)

MP-13 A Spoken Dialogue System for Electronic Program Guide Information Access

Seokhwan Kim, Cheongjae Lee, Sangkeun Jung, and Gary Geunbae Lee (POSTECH, Korea)

MP-14 RoboMaidHome: a Sensor Network-based Smart Home Environment for Service Robots

Seung-Ho Baeg, Jae-Han Park, Jaehan Koh, Kyung-Wook Park, and Moon-Hong Baeg (KITECH, Korea)

MP-15 Application of Contact-Based Sensors in Humanoid Robot Navigation System towards Human-Robot Collaboration

Hanafiah Yussof, Jumpei Takata, Masahiro Ohka (Nagoya Univ., Japan), Mitsuhiro Yamano, and Yasuo Nasu (Yamagata Univ., Japan)

MP-16 Human-Robot Interactive Guiding System's Application in Sonar Quick Mapping

Yu-Cheol Lee, Sangik Na, Hyo-Sung Ahn, and Wonpil Yu (ETRI, Korea)

MP-17 Analysis of Resampling Process for the Particle Depletion Problem in FastSLAM

Nosan Kwak, In-Kyu Kim, Heon-Cheol Lee, and Beom-Hee Lee (Seoul Nat'l Univ., Korea)

MP-18 Tele-operation of a Mobile Robot Using a Force Reflection Joystick with a Single Hall Sensor

Soonshin Han and JangMyung Lee (Pusan Nat'l Univ., Korea)

MP-19 Visual Servoing of a Wheeled Mobile Robot using Unconstrained Optimization with a Ceiling Mounted Camera

Gon-Woo Kim, Kyung-Tae Nam, and Sang-Moo Lee (KITECH, Korea)

MP-20 Autonomous Navigation of a Mobile Robot Based on Passive RFID

Sunhong Park, Ryo Saegusa, and Shuji Hashimoto (Waseda Univ., Japan)

MP-21 Multi-Arm Path Generation Method for Humanoid

S. U. Ryu, C. J. Kim, and K. H. Choi (Cheju Univ., Korea)

MP-22 Navi-Guider: an Intuitive Guiding System for the Mobile Robot

Sangik Na, Hyo-Sung Ahn, Yu-Cheol Lee, and Wonpil Yu (ETRI, Korea)

MP-23 A Study on Improved Localization of a Mobile Robot by using Scale Invariant Feature and Odometry

Chul-Woong Jang, Ki-ho Jung, Dae-Seop Jung (Korea Polythchnic Univ., Korea), Je-Goon Ryu (Waseda Univ., Japan), Jung-Shik Kong (Daeduk College, Korea), Jae-Hong Shim, and Eung-Hyuk Lee (Korea Polythchnic Univ., Korea)

MP-24 Walking Mechanism of 3D Passive Dynamic Motion with Lateral Rolling

Tomoo Takeguchi, Minako Ohsashi, and Jaeho Kim (Osaka Univ., Japan)

- MP-25 Navigation System with a Self-Drive Control for an Autonomous Robot in Indoor Environment**
Eiji Hayashi (Kyushu Inst. of Tech., Japan)
- MP-26 Internal Sensor-aided Asynchronous Wireless Localization System**
SangYoung Park, Hyo-Sung Ahn, and Wonpil Yu (ETRI, Korea)
- MP-27 Discrimination and Remembrance Experiments Research on Softness Haptic Perception**
Jia Liu and Aiguo Song (Southeast Univ., China)
- MP-28 Design and Analysis of a New Six DOF Haptic Device for Dental Training**
Yonggang Cao, Yuru Zhang, Yunzhong Ma, and Dangxiao Wang (Beihang Univ., China)
- MP-29 Classification of high-level Command and Translator System Architecture of CCSLR as a Scripting Language for Network-based Robot**
Il-Gu Lee, Dong To Nguyen, and Do-Ik Kim (KIST, Korea)
- MP-30 Human-Robot Interactive Communication Using Semantic Web Technologies in Design and Implementation of Collaboratively Working Robots**
Atilla Elci and Behnam Rahnema (Eastern Mediterranean Univ., Turkey)
- MP-31 Lightweight Middleware for Robot**
Bum Hyeon Baek, Dong Hee Choi, Vitaly Li, Seong Hoon Kim, Gwang Kuk Lee, Jeong Seok Kang, and Hong Seong Park (Kangwon Univ., Korea)
- MP-32 Applying Dynamic Software Architecture Management to Home Service Robot Software**
Dongsun Kim, Sooyong Park (Sogang Univ., Korea), Mun-Taek Choi, and Munsang Kim (KIST, Korea)