| KS       | Keynote Speech  | September 3                           |
|----------|---|---------------------------------------|
| Room 402 |   | 10:00-11:50                           |
| Chair    | Shota Nakashima, Yamaguchi University, Japan                                  |                                       |
| KS-1     | Lessons Learned from Developing Intelligent Systems Prof. Vasily G. Moshnyaga | Fukuoka University, Japan             |
| KS-2     | Pervasive Sensing and Healthcare Applications Prof. Sozo Inoue                | Kyushu Institute of Technology, Japan |

| OS<br>Room 611 | Intelligent System  | September 3<br>13:40-15:20   |  |
|----------------|---|--|--|
| Chair          | Seiichi Serikawa, Kyushu Institute of Technolog   |  |  |
| OS-1           | Remote Power Strip with Zero Standby Power Co.  | ntrollabla from Every Direction  |  |
| 05-1           | Daichi Koide  | Kyushu Institute of Technology, Japan  |  |
|                | Kazunari Yoshikawa  | Kyushu Institute of Technology, Japan  Kyushu Institute of Technology, Japan |  |
|                | Akira Yamawaki  | Kyushu Institute of Technology, Japan  Kyushu Institute of Technology, Japan |  |
|                | Akira Yamawaki  | Kyushu institute of Technology, Japan  |  |
| OS-2           | Improvement of Reconstruction of Fourier Comp   | uter-generated Hologram Using Phase Freedom                                  |  |
|                | Daiki Yasukouchi  | Kyushu Institute of Technology, Japan  |  |
|                | Yosuke Koga   | Kyushu Institute of Technology, Japan  |  |
|                | Shiyuan Yang  | Kyushu Institute of Technology, Japan  |  |
| OS-3           | Varmint Countermeasure System   |  |  |
|                | Ayaka Ito   | National Institute of Technology, Kitakyushu College, Japan                  |  |
|                | Seiichi Serikawa  | Kyushu Institute of Technology, Japan  |  |
|                | Yuhki Kitazono  | National Institute of Technology, Kitakyushu College, Japan                  |  |
| OS-4           | Improvement of System to Fold T-shirt in the Star   | te of Hanging  |  |
|                | Takumi Saruhashi  | National Institute of Technology, Kitakyushu College, Japan                  |  |
|                | Ryunosuke Miyamoto  | Molex Japan Co., Ltd., Japan   |  |
|                | Shenglin Mu   | National Institute of Technology, Hiroshima College, Japan                   |  |
|                | Takaaki Akimoto   | National Institute of Technology, Kitakyushu College, Japan                  |  |
|                | Yuhki Kitazono  | National Institute of Technology, Kitakyushu College, Japan                  |  |
| OS-5           | Improvement of Display Unit in Generic Verification Environment for Video Image Processing Hardware on FPGA |  |  |
|                | Gen Nishizawa   | Kyushu Institute of Technology, Japan  |  |
|                | Kazunari Yoshikawa  | Kyushu Institute of Technology, Japan  |  |
|                | Akira Yamawaki  | Kyushu Institute of Technology, Japan  |  |
|                |   | Try asita institute of Teemitology, supan                                    |  |

| GS1<br>Room 612<br>Chair | Image Processing 1  Hideaki Orii, Fukuoka University, Japan  | September 3<br>13:40-15:20  |  |
|--------------------------|--|-----------------------------|--|
|                          | ,  |                             |  |
| GS1-1                    | Piecewise Constant Histogram Specification for False Contour-Free Contrast Enhancement   |                             |  |
|                          | Hengjun Yu   | Kyushu University, Japan    |  |
|                          | Kohei Inoue  | Kyushu University, Japan    |  |
|                          | Kenji Hara   | Kyushu University, Japan    |  |
|                          | Kiichi Urahama   | Kyushu University, Japan    |  |
| GS1-2                    | Enhanced Restoration of Ill-Conditioned Photographs  |                             |  |
|                          | Lei Hang   | Kyushu University, Japan    |  |
|                          | Kohei Inoue  | Kyushu University, Japan    |  |
|                          | Kiichi Urahama   | Kyushu University, Japan    |  |
| GS1-3                    | Contrast Enhancement of Ultrasound Image of Knee Joint Cartilage by Using Multipurpose Beta Optimized Recursive Bi-Histogram Equalization Method |                             |  |
|                          | Md Belayet Hossain   | University Malaya, Malaysia |  |
|                          | Belinda Pingguan-Murphy  | University Malaya, Malaysia |  |
|                          | Yan Chai Hum   | MIMOS Berhad, Malaysia      |  |
|                          | Khin Wee Lai   | University Malaya, Malaysia |  |
| GS1-4                    | Sharpening Interpolated Image by Using Cube of Pixel Difference  |                             |  |
|                          | Naoki Ono  | Kyushu University, Japan    |  |
|                          | Kiichi Urahama   | Kyushu University, Japan    |  |

| GS2                                 | Information & Communications Technology 1   | September 3  |
|-------------------------------------|---|--|
| Room 613<br>Chair                   | Shota Nakashima, Yamaguchi University, Japan  | 13:40-15:20  |
|                                     | , <u> </u>  |  |
| GS2-1                               | Large-Scale Web Traffic Log Analyzer on Hadoop Distributed File System Choopan Rattanapoka King I   |  |
|                                     | •   | Mongkut's University of Technology North Bangkok, Thailand Mongkut's University of Technology North Bangkok, Thailand  |
| GS2-2                               | Parameter Estimation of Bilinear Digital Systems Using Differential Evol  | ution Algorithm  |
|                                     | Wei-Der Chang   | Shu-Te University, Taiwan  |
|                                     | Shun-Peng Shih  | Shu-Te University, Taiwan  |
|                                     | Yi-Ting Hsiao   | Shu-Te University, Taiwan  |
|                                     | Yu-Ting Xia Tien-Yu Liang   | Shu-Te University, Taiwan<br>Shu-Te University, Taiwan   |
|                                     | Hao-Tse Huang   | Shu-Te University, Taiwan  |
| GS2-3                               | CAD Model-based 3D Object Pose Estimation using an Edge-Based Nonli   | inear Model Fitting Algorithm  |
|                                     | Chi-Yi Tsai   | Tamkang University, Taiwan   |
|                                     | Wei-Yi Wang   | Tamkang University, Taiwan   |
|                                     | Chi-Hung Huang  | Tamkang University, Taiwan   |
|                                     | Bo-Ren Shih   | Tamkang University, Taiwan   |
| GS2-4                               | 3D Model Retrieval Using 3D-DFT Spectral and Cepstral Descriptors of  |  |
|                                     | Chang-Hsing Lee   | Chung Hua University, Taiwan   |
|                                     | Jau-Ling Shih<br>Yu-Hau Liu   | Chung Hua University, Taiwan<br>Chung Hua University, Taiwan   |
|                                     | 1 u-11au Liu  | Chang Tha Oniversity, Taiwan   |
| GS2-5                               | Error Reduction Algorithm for the Generation of a Kinoform with Laser I   | •  |
|                                     | Takayuki Yokoyama   | Kyushu Institute of Technology, Japan  |
|                                     | Yosuke Koga<br>Shiyuan Yang   | Kyushu Institute of Technology, Japan<br>Kyushu Institute of Technology, Japan   |
|                                     | Sinyuan Tang  | Ryushu histitute of Technology, Japan  |
|                                     |   |  |
| GS3                                 | Sensing System  | September 3  |
| GS3<br>Room 611                     | Sensing System  | September 3<br>15:40-17:00   |
|                                     | Sensing System  Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  | 15:40-17:00  |
| Room 611                            | •   | 15:40-17:00<br>e, Japan  |
| Room 611<br>Chair                   | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin Fumiaki Ehara   | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan   |
| Room 611<br>Chair                   | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara  Ryouhei Tanaka  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan  |
| Room 611<br>Chair                   | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin Fumiaki Ehara   | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan   |
| Room 611<br>Chair                   | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka  Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Bo  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka  Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih  Wei-Der Chang  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih Wei-Der Chang Tien-Yu Liang   | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Taiwan Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Both Shun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih Wei-Der Chang Tien-Yu Liang   | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Taiwan Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1          | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Bothshun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao   | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Both Shun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu  | e, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  ody Posture of Elderly People  Shu-Te University, Taiwan  |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga  | Re, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University, Japan Fukuoka University, Japan   |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga Osamu Tanaka   | g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University, Japan Fukuoka University, Japan  |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound usin  Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Boshun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga  | Re, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University, Japan Fukuoka University, Japan   |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Both Shun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga Osamu Tanaka Koji Hashimoto  Three Dimensional Position Detection Using a Two Dimensional PSD and               | g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University, Japan Fukuoka University, Japan Fukuoka University, Japan Fukuoka University, Japan  |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Both Shun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga Osamu Tanaka Koji Hashimoto  Three Dimensional Position Detection Using a Two Dimensional PSD and Kosuke Onishi | Re, Japan  g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan Yamaguchi University, Japan Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University |
| Room 611<br>Chair<br>GS3-1<br>GS3-2 | Makoto Miyauchi, National Institute of Technology, Kitakyushu Colleg  Development of a Measurement System of a Body Conduction Sound using Fumiaki Ehara Ryouhei Tanaka Kanya Tanaka  A Smart Reporting System for Determining the Physiological State and Both Shun-Peng Shih Wei-Der Chang Tien-Yu Liang Hao-Tse Huang Yi-Ting Hsiao Yu-Ting Xia  Sensing Technologies for In-Home Monitoring of People with Dementia Toshin Ryu Vasily Moshnyaga Osamu Tanaka Koji Hashimoto  Three Dimensional Position Detection Using a Two Dimensional PSD and               | g Wireless LAN  National Institute of Technology, Ube College, Japan National Institute of Technology, Ube College, Japan Yamaguchi University, Japan  Pody Posture of Elderly People  Shu-Te University, Taiwan Shu-Te University, Japan Fukuoka University, Japan Fukuoka University, Japan Fukuoka University, Japan Fukuoka University, Japan  |

| GS4      | Image Processing 2   | September 3                           |
|----------|--|---------------------------------------|
| Room 612 |  | 15:40-17:00                           |
| Chair    | Huimin Lu, Kyushu Institute of Technology, Japan   |                                       |
|          |  |                                       |
| GS4-1    | Visual Secret Sharing by Speckle Pattern Illumination  |                                       |
|          | Katsuhiro Uno  | Ibaraki University, Japan             |
|          | Hoang Hoa Tien Dung  | Ibaraki University, Japan             |
|          |  |                                       |
| GS4-2    | Multi Image Stitching with Cylindrical Surface Base on Local Feature Matching for Solving th | e Distortion Problem                  |
|          | Natthavut Vong a nun   | Mahasarakham University, Thailand     |
|          | Chatklaw Jareonpon   | Mahasarakham University, Thailand     |
|          | C. Marian Vinconpon  | manusian conversity, manusia          |
| GS4-3    | An optimized Window Memoization Architecture for High Performance and Accurate Image Pa      | rocessing                             |
| 05.5     | Mojtaba Farzmahdi  | Tsinghua University, China            |
|          | Luo Rong   | Tsinghua University, China            |
|          | Luo Rong   | r singhua Omversity, Cilila           |
| GS4-4    | Study of Innovating Threshold Value Processing for Character Detection in Scene Image        |                                       |
| G57-7    | Kosuke Ozaki   | Kyushu Institute of Technology, Japan |
|          |  |                                       |
|          | Yosuke Higashinaka   | Kyushu Institute of Technology, Japan |
|          | Lifeng Zhang   | Kyushu Institute of Technology, Japan |
|          |  |                                       |

| GS5<br>Room 613 | Industrial Application Technology 1  | September 3<br>15:40-17:00                           |
|-----------------|--|--|
| Chair           | Shenglin Mu, National Institute of Technology, Hiroshima College, Japan    |  |
| GS5-1           | Dynamically Weighted DTW for Dynamic Full-Body Gesture Recognition         |  |
|                 | Hyo-Rim Choi   | Chung-Ang University, South Korea                    |
|                 | Hye Yeon Cho   | Chung-Ang University, South Korea                    |
|                 | Tae Yong Kim   | Chung-Ang University, South Korea                    |
| GS5-2           | Design of Stable Controllers with Switching Method For Three-DOF Underacta | uated Manipulators                                   |
|                 | Keisuke Ichida   | National Institute of Technology, Ube College, Japan |
|                 | Shun Katayama  | National Institute of Technology, Ube College, Japan |
|                 | Keigo Watanabe   | Okayama University, Japan                            |
| GS5-3           | Hierarchical Hidden Markov Model for Finger Language Recognition           |  |
|                 | Jae-Hong Kwon  | Chung-Ang University, South Korea                    |
|                 | Hong-Jun Joo   | Chung-Ang University, South Korea                    |
|                 | Tae-Young Kim  | Chung-Ang University, South Korea                    |
| GS5-4           | Evaluation and Estimation of Fatigue on Long-distance Driving              |  |
|                 | Ryosuke Sugie  | Aichi University of Technology, Japan                |
|                 | Toshiya Arakawa  | Aichi University of Technology, Japan                |
|                 | Kazuhiro Kozuka  | Aichi University of Technology, Japan                |

| PS<br>Room 607 | Poster Session   | September 4<br>10:00-11:00   |  |
|----------------|--|--|--|
| PS-1           | Construction of Cyclically Permutable Codes From Cyclic Codes Ting-Ya Yang   | National Chung Hsing University, Taiwan  |  |
|                | Houshou Chen<br>Kuo-Cheng Chung  | National Chung Hsing University, Taiwan<br>National Chung Hsing University, Taiwan   |  |
| PS-2           | Face Recognition System on Mobile using Similarity Data Mining Techniq<br>Chatklaw Jareanpon   | <b>que</b><br>Mahasarakham University, Thailand  |  |
| PS-3           | Elimination of Signal-resembled Anomalies in Detected Plate Chai Yan Hum   | MIMOS Berhad, Malaysia   |  |
|                | Meng Kim Liang Woon Hock Hon   | MIMOS Berhad, Malaysia<br>MIMOS Berhad, Malaysia   |  |
|                | Mokayed Hamam<br>Wee Khin Lai  | MIMOS Berhad, Malaysia<br>University Malaya, Malaysia  |  |
| PS-4           | <b>Detecting Fake Face Input for Face Authentication by DCT with Compens</b> Ryo Furuie  | sating the Main Spindle Position of Face  Kyushu Institute of Technology, Japan  |  |
|                | Yuji Goda Lifeng Zhang   | Kyushu Institute of Technology, Japan<br>Kyushu Institute of Technology, Japan   |  |
| PS-5           | Evaluation of Learning Samples for Fish Recognition with Machine Learn   | S S S S S S S S S S S S S S S S S S S  |  |
|                | Kazutaka Sagara<br>Kousuke Katada<br>Lifeng Zhang  | Kyushu Institute of Technology, Japan<br>Kyushu Institute of Technology, Japan<br>Kyushu Institute of Technology, Japan    |  |
| PS-6           | Auto Image Calibration for Vehicle Speed Measurement Using Single Can<br>Yuji Goda   | nera  Kyushu Institute of Technology, Japan  |  |
|                | Lifeng Zhang<br>Seiichi Serikawa   | Kyushu Institute of Technology, Japan<br>Kyushu Institute of Technology, Japan   |  |
| PS-7           | Measurement of Chromaticity of Colors Displayed by Switching Two Colors on a Liquid Crystal Display  Chikako Ishizawa  Akita University, Japan |  |  |
|                | Mozomi Araya   | Akita University, Japan<br>Akita University, Japan   |  |
|                | Yoichi Kageyama<br>Makoto Nishida  | Akita University, Japan<br>Akita University, Japan   |  |
| PS-8           | Real-Time Automatic Target Selection and Tracking Algorithm Using Key<br>Chi-Yi Tsai   | ·  |  |
|                | Cheng-Jui Yu   | Tamkang University, Taiwan<br>Tamkang University, Taiwan   |  |
| PS-9           | Recognition System of Foggy Windshield Side for Semi-automatic Run<br>Takuya Hayashi   | National Institute of Technology, Kitakyushu College, Japan  |  |
|                | Shota Nakashima<br>Yuhki Kitazono  | Yamaguchi University, Japan<br>National Institute of Technology, Kitakyushu College, Japan                                 |  |
| PS-10          | Wide Range Fire Extinguish System for Residential Use  | National Institute of Toolmalogy, Vitalguelay College Jones  |  |
|                | Kouki Yamaguchi<br>Hayato Takahashi  | National Institute of Technology, Kitakyushu College, Japan<br>National Institute of Technology, Kitakyushu College, Japan |  |
|                | Masahiko Hanada<br>Hiromichi Hanada  | Hanada Setsubi, Japan<br>Hanada Setsubi, Japan   |  |
|                | Kanya Mizuguchi  | Hanada Setsubi, Japan  |  |
|                | Akinori Fujimoto<br>Seiichi Serikawa   | Fukuoka City Council, Japan<br>Kyushu Institute of Technology, Japan   |  |
|                | Yuhki Kitazono   | National Institute of Technology, Kitakyushu College, Japan  |  |
| PS-11          | Designing of Humanoid Robot with Voice Recognition Capability Widodo Budiharto   | Bina Nusantara University, Indonesia   |  |
|                | Alexander Agung S.G  | Bina Nusantara University, Indonesia   |  |
|                | Azani Cempaka Sari<br>Heri Ngarianto   | Bina Nusantara University, Indonesia<br>Bina Nusantara University, Indonesia   |  |

| GS6      | Image Processing 3   | September 4   |
|----------|--|---|
| Room 611 |  | 13:00-14:20   |
| Chair    | Lifeng Zhang, Kyushu Institute of Technology, Japan  |   |
|          |  |   |
| GS6-1    | Aerial Robot Simultaneous Localization and Mapping with a M                                    | onocular Vision   |
|          | Yin-Tien Wang  | Tamkang University, Taiwan  |
|          | Ting-Wei Chen  | Tamkang University, Taiwan  |
|          | Jr-Syu Yang  | Tamkang University, Taiwan  |
|          |  |   |
| GS6-2    | Improvement of Patch Selection in Exemplar-based Image Inpu                                    | uinting   |
|          | Qian Fan   | Kyushu Institute of Technology, Japan                               |
|          | Lifeng Zhang   | Kyushu Institute of Technology, Japan                               |
|          |  |   |
| GS6-3    | An Efficient Method of Parallax Adjustment for Stereo Camera Systems Based on Image Processing |   |
|          | Lei Wang   | Tokyo Institute of Technology, Japan                                |
|          | Zining Zhen  | Shanghai Bizhi Bionics Technology Co., Ltd., China                  |
|          | Xiaolin Zhang  | Shanghai Institute of Microsystem and Information Technology, China |
|          | Makoto Sato  | Tokyo Institute of Technology, Japan                                |
|          |  |   |
| GS6-4    | Biometrical Verification Based on Infrared Heat Vein Patterns                                  |   |
|          | Elnaz Mazandarani  | University of Potsdam, Germany                                      |
|          | Kaori Yoshida  | Kyushu Institute of Technology, Japan                               |
|          | Mario Köppen   | Kyushu Institute of Technology, Japan                               |
|          | Ulrike Lucke   | University of Potsdam, Germany                                      |
|          |  |   |
|          |  |   |

| GS7<br>Room 612<br>Chair | Information & Communications Technology 2  Sozo Inoue, Kyushu Institute of Technology, Japan | September 4<br>13:00-14:20              |
|--------------------------|--|---|
| Chan                     | 3020 moue, Kyushu institute of Technology, Japan   |   |
| GS7-1                    | Automatic Advertisement System using Text Mining Technique                                   |   |
|                          | Chatklaw Jareanpon   | Mahasarakham University, Thailand       |
| GS7-2                    | Synchronization of Discrete Sprott Chaotic Systems and Its Application in Secure Comm        | unication                               |
|                          | Hang-Hong Kuo  | NeoVictory Technology Co., Ltd., Taiwan |
|                          | Teh-Lu Lian  | National Cheng Kung University, Taiwan  |
|                          | Jun-Juh Yan  | Shu-Te University, Taiwan               |
|                          | Yu-Chen Hsu  | Shu-Te University, Taiwan               |
| GS7-3                    | Opinion Mining of Thai Politics on Facebook Status Updates                                   |   |
|                          | Panida Songram   | Mahasarakham University, Thailand       |
|                          | Chatklaw Jareanpon   | Mahasarakham University, Thailand       |
| GS7-4                    | Feature-Based Opinion Mining on Smart Phone Reviews  |   |
|                          | Mongkol Saensuk  | Mahasarakham University, Thailand       |
|                          | Panida Songram   | Mahasarakham University, Thailand       |
|                          | Phatthanaphong Chomphuwiset  | Mahasarakham University, Thailand       |

| CCO      | 7 B W   |   |
|----------|---|---|
| GS8      | Image Recognition   | September 4                             |
| Room 613 |   | 13:00-14:20                             |
| Chair    | Huimin Lu, Kyushu Institute of Technology, Japan  |   |
| GG0 1    |   | T . C T . M .                           |
| GS8-1    | Fluctuation in Recognition Accuracy due to Utterance Experience in Command Input          | , J                                     |
|          | Tsuyoshi Takahashi  | Akita University, Japan                 |
|          | Ayumu Saito   | Akita University, Japan                 |
|          | Yoichi Kageyama   | Akita University, Japan                 |
|          | Masaki Ishii  | Akita Prefectural University, Japan     |
|          | Makoto Nishida  | Akita University, Japan                 |
| GS8-2    | The Comparison of Template Matching and SURF for Logo Classification on Product           |   |
|          | Thummarat Boonrod   | Mahasarakham University, Thailand       |
|          | Chatklaw Jareanpon  | Mahasarakham University, Thailand       |
|          | Phatthanaphong Chomphuwiset   | Mahasarakham University, Thailand       |
|          | 1 0 1   | · · · · · · · · · · · · · · · · · · ·   |
| GS8-3    | Effects of the Stochastic Resonance for Face Detection on Dark and Illumination Variation | ant Images                              |
|          | Bikash Lamsal   | Ashikaga Institute of Technology, Japan |
|          | Noriko Kojima   | Ashikaga Institute of Technology, Japan |
|          | Naofumi Matsumoto   | Ashikaga Institute of Technology, Japan |
| GS8-4    | Automatic Registration of Phalanges Regions in CR Images Based on Scale-Invariant         | Salient Region Features                 |
| 050-4    | Shota Kajihara  | Kyushu Institute of Technology, Japan   |
|          | Seiichi Murakami  | Kyushu Institute of Technology, Japan   |
|          | Hyoungseop Kim  | Kyushu Institute of Technology, Japan   |
|          | Joo Kooi Tan  | Kyushu Institute of Technology, Japan   |
|          | Seiji Ishikawa  | Kyushu Institute of Technology, Japan   |
|          | Seiji isiiikawa   | Ryushu histitute of Technology, Japan   |
|          |   |   |
| GS9      | Industrial Application Technology 2   | September 4                             |
| Room 611 |   | 14:40-16:40                             |
| Chair    | Akira Yamawaki, Kyushu Institute of Technology, Japan                                     |   |
|          |   |   |
| GS9-1    | Land Cover Classification Using RapidEye Data to Estimate the Amount of Disaster W        |   |
|          | Hikaru Shirai   | Akita University, Japan                 |
|          | Yoichi Kageyama   | Akita University, Japan                 |
|          | Azuma Ohuchi  | Tohoku University, Japan                |
|          | Toshihiko Takaya SE   | NDAI KANKYO KAIHATSU Co., LTD., Japan   |
|          | Makoto Nishida  | Akita University, Japan                 |

## Makoto Nishida Akita University, Japan GS9-2 Simulation and FEM Analysis of Applied Force Effects for Energy Harvesting in Piezoelectric Bimorph Device King Mongkut's University of Technology Ladkrabang, Thailand Panapong Songsukthawan Chaiyan Jettanasen King Mongkut's University of Technology Ladkrabang, Thailand GS9-3 Performance Evaluation of Solar Rooftop System Apichart Yodkhuang King Mongkut's University of Technology Ladkrabang, Thailand Atthapol Ngaopitakkul King Mongkut's University of Technology Ladkrabang, Thailand GS9-4 Use of Neural Network Classifier for Detecting Human Emotion via Speech Spectrogram Sathit Prasomphan King Mongkut's University of Technology North Bangkok, Thailand GS9-5 A Survey on non-DTN and DTN Geographic based Protocols for VANETS Radityo Anggoro Institut Teknologi Sepuluh Nopember, Indonesia Royyana Muslim I Institut Teknologi Sepuluh Nopember, Indonesia M. Hatem A A Sana's University, Yemen

| GS10-1 Implementation of Directional Characteristics by Real-time Processing of Sounds Observed by Three Microphones Kiyoteru Hayama National Institute of Technology, Kumamoto College, Japan Takaaki Ishibashi National Institute of Technology, Kumamoto College, Japan Minoru Motoki National Institute of Technology, Kumamoto College, Japan Minoru Motoki National Institute of Technology, Kumamoto College, Japan Minoru Motoki National Institute of Technology, Kumamoto College, Japan Minoru Motoki National Institute of Technology, Kumamoto College, Japan Miromu Gotanda Kinki University, Japan  Study of the Approach Vehicle Detection by the Supersonic Wave Yoshihiro Furuno Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Mitsunori Mizumachi Yoshihisa Nakatoh Kenji Matsui Sunda Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, | GS10              | Voice Recognition  | September 4<br>14:40-16:40            |
|---|-------------------|--|---------------------------------------|
| Signary   System by Electric-Larynx Using LPC Residual Wave Takashi Himeno Yuta Tanaka Misunori Misu  | Room 612<br>Chair | Mitsunori Mizumachi, Kyushu Institute of Technology      |                                       |
| Kiyoteru Hayama Takaaki Ishibashi Takaaki Ishibashi National Institute of Technology, Kumamoto College, Japan National Institute of Technology, Kumamoto College, Japan National Institute of Technology, Kumamoto College, Japan Minoru Motoki Hiromu Gotanda National Institute of Technology, Kumamoto College, Japan National Institute of Technology, Japan Kinki University, Japan  Kyushu Institute of Technology, Japan Yoshihiro Furuno Yuto Tanaka Kyushu Institute of Technology, Japan National Institute of Technology, Japan Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan National Institute of Technology, Japan Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan National Institute |                   |  | ,                                     |
| Takaaki Ishibashi Hirohito Shintani Mational Institute of Technology, Kumamoto College, Japan Hirohito Shintani Minoru Motoki National Institute of Technology, Kumamoto College, Japan Hiromu Gotanda National Institute of Technology, Kumamoto College, Japan Hiromu Gotanda Kinki University, Japan Kinki University, Japan Kinki University, Japan Kinki University, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Mitsunori Mizumachi Kyushu Institute of Technology, Japan Kenji Matsui Osaka Institute of Technology, Japan Kenji Matsui Osaka Institute of Technology, Japan Kenji Matsui Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushina Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh                                 | GS10-1            |  |                                       |
| Hirohito Shintani Mational Institute of Technology, Kumamoto College, Japan Minoru Motoki Hiromu Gotanda Kinki University, Japan Gosto-2  Study of the Approach Vehicle Detection by the Supersonic Wave Yoshihiro Furuno Yoshihiro Furuno Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kenji Matsui Osaka Institute of Technology, Japan Kenji Matsui Osaka Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh  |                   |  |                                       |
| Minoru Motoki Hiromu Gotanda  Kinki University, Japan  Kinki University, Japan  Kinki University, Japan  Kyoshihiro Furuno Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Kenji Matsui  Kyushu Institute of Technology, Japan Kenji Matsui  Kyushu Institute of Technology, Japan Kenji Matsui  Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan   |                   |  |                                       |
| Hiromu Gotanda  Kinki University, Japan  Kyushu Institute of Technology, Japan  Kenji Matsui  Kyushu Institute of Technology, Japan  Kenji Matsui  Kyushu Institute of Technology, Japan  Kenji Matsui  Kyushu Institute of Technology, Japan  |                   |  |                                       |
| Study of the Approach Vehicle Detection by the Supersonic Wave Yoshihiro Furno Yuto Tanaka Yoshihisa Nakatoh  GS10-3  Singing System by Electric-Larynx Using LPC Residual Wave Takashi Himeno Yuto Tanaka Mitsunori Mizumachi Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Kenji Matsui  GS10-4  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  |                   |  |                                       |
| Yoshihiro Furuno Yuto Tanaka Yoshihiro Furuno Yuto Tanaka Yoshihisa Nakatoh  GS10-3  Singing System by Electric-Larynx Using LPC Residual Wave Takashi Himeno Yuto Tanaka Mitsunori Mizumachi Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Mitsunori Mizumachi Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kenji Matsui  GS10-4  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh   |                   | Hiromu Gotanda   | Kinki University, Japan               |
| Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan   | GS10-2            | Study of the Approach Vehicle Detection by the Superson  | nic Wave                              |
| Singing System by Electric-Larynx Using LPC Residual Wave Takashi Himeno Yuto Tanaka Mitsunori Mizumachi Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kenji Matsui  GS10-4  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Kyushi Institute of Technology, Japan   |                   | Yoshihiro Furuno   | Kyushu Institute of Technology, Japan |
| GS10-3 Singing System by Electric-Larynx Using LPC Residual Wave Takashi Himeno Yuto Tanaka Mitsunori Mizumachi Yoshihisa Nakatoh Kenji Matsui  GS10-4 Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  GS10-5 Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yuto Tanaka Yuto Tanaka Kyushu Institute of Technology, Japan   |                   | Yuto Tanaka  | Kyushu Institute of Technology, Japan |
| Takashi Himeno Yuto Tanaka Kyushu Institute of Technology, Japan Kenji Matsui Osaka Institute of Technology, Japan Kenji Matsui  Osaka Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan   |                   | Yoshihisa Nakatoh  | Kyushu Institute of Technology, Japan |
| Yuto Tanaka Kyushu Institute of Technology, Japan Mitsunori Mizumachi Kyushu Institute of Technology, Japan Kenji Matsui Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Kyushu Fujiwara Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology   | GS10-3            | Singing System by Electric-Larynx Using LPC Residual     | Wave                                  |
| Yuto Tanaka Mitsunori Mizumachi Yoshihisa Nakatoh Kenji Matsui  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yuto Tanaka Yoshihisa Nakatoh  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Kyushu Institute of Technology, Japan  |                   | Takashi Himeno   | Kyushu Institute of Technology, Japan |
| Yoshihisa Nakatoh Kenji Matsui  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yuto Tanaka Yushu Institute of Technology, Japan Kyushu Institute of Technology, Japan   |                   | Yuto Tanaka  |                                       |
| Kenji Matsui Osaka Institute of Technology, Japan  Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan   |                   | Mitsunori Mizumachi                                      | Kyushu Institute of Technology, Japan |
| GS10-4 Study of Text Reading Method Using Important Words on Web Sites for visual impaired Takumi Misawa Yuto Tanaka Yoshihisa Nakatoh  GS10-5 Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  |                   | Yoshihisa Nakatoh  | Kyushu Institute of Technology, Japan |
| Takumi Misawa Yuto Tanaka Yuto Tanaka Yoshihisa Nakatoh  GS10-5  Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  |                   | Kenji Matsui   | Osaka Institute of Technology, Japan  |
| Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  | GS10-4            | Study of Text Reading Method Using Important Words o     | n Web Sites for visual impaired       |
| Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  GS10-5  Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan   |                   | Takumi Misawa  | Kyushu Institute of Technology, Japan |
| GS10-5 Study of the Volume Limit for Hearing Protection in the Music Listening Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  |                   | Yuto Tanaka  | Kyushu Institute of Technology, Japan |
| Teruhisa Higashi Yuto Tanaka Yoshihisa Nakatoh  GS10-6  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  |                   | Yoshihisa Nakatoh  | Kyushu Institute of Technology, Japan |
| Yuto Tanaka Yoshihisa Nakatoh  GS10-6  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan   | GS10-5            | Study of the Volume Limit for Hearing Protection in the  | Music Listening                       |
| Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan  GS10-6  Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing  Ryota Fujiwara  Yuto Tanaka  Yoshihisa Nakatoh  Kyushu Institute of Technology, Japan   |                   | Teruhisa Higashi   | Kyushu Institute of Technology, Japan |
| GS10-6 Study of Word Intelligibility Based on Control of ITD or ILD on Binaural Hearing Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  GS11 Electrical Technology  September 4   |                   | Yuto Tanaka  | Kyushu Institute of Technology, Japan |
| Ryota Fujiwara Yuto Tanaka Yoshihisa Nakatoh  GS11  Kyushu Institute of Technology, Japan   |                   | Yoshihisa Nakatoh  | Kyushu Institute of Technology, Japan |
| Yuto Tanaka Kyushu Institute of Technology, Japan Yoshihisa Nakatoh Kyushu Institute of Technology, Japan Kyushu Institute of Technology, Japan September 4   | GS10-6            | Study of Word Intelligibility Based on Control of ITD or | ILD on Binaural Hearing               |
| Yoshihisa Nakatoh Kyushu Institute of Technology, Japan  GS11 Electrical Technology September 4   |                   |  |                                       |
| GS11 Electrical Technology September 4  |                   | Yuto Tanaka  | Kyushu Institute of Technology, Japan |
|   |                   | Yoshihisa Nakatoh  | Kyushu Institute of Technology, Japan |
| •   |                   |  |                                       |
|   | GS11              | Electrical Technology                                    | •                                     |

| GS11     | Electrical Technology   | September 4   |
|----------|---|---|
| Room 613 |   |   |
| Chair    | Fumiaki Ehara, Ube National College of Technology             | z, Japan  |
| GS11-1   | Quantification of Urushi Dissolution by Ultraviolet Ir.       | radiation for an Urushi - hasad Flactronic Circuit                                    |
| 0511-1   | Yu Myojin   | University of Tsukuba, Japan  |
|          | Yuki Hashimoto  | University of Tsukuba, Japan  |
|          | Tuki Hushimoto  | Oniversity of Tsukuou, supun  |
| GS11-2   | Prediction of the Lightning Location for Transmission Syste   | ms using the characteristics of transient current waveform and travelling wave method |
|          | Prailkanok Lertwanitrot                                       | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Atthapol Ngaopitakkul   | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Sulee Bunjongjit  | Rajamangala University of Technology Rattanakosin, Thailand                           |
|          |   |   |
| GS11-3   | Study of Characteristics of Fault in Overhead and Un          | derground Cable Distribution System Using Experimental Test Bench                     |
|          | Piladelak Yindeesap   | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Atthapol Ngaopitakkul   | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Monthon Leelajindakrairerk                                    | King Mongkut's University of Technology Ladkrabang, Thailand                          |
| GS11-4   | Characteristics and Behaviour of Transient Current during Fau | It Occurrence on Hybrid Overhead line and Underground Cable Distribution System       |
| GBII I   | Tussanai Satharpornmongkollert                                | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Atthapol Ngaopitakkul   | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Chaichan Pothisarn  | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          |   |   |
| GS11-5   | A Study of Attenuation of Conducted EMI Generation            | in a Switching Power Supply Using Filtering Technique                                 |
|          | Piyawit Sripodok  | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          | Chaiyan Jettanasen  | King Mongkut's University of Technology Ladkrabang, Thailand                          |
|          |   |   |
| GS11-6   | ~ ·   | hase Induction Motor Using Wavelet Transform and Quadratic Discriminant An            |
|          | Dimas Anton Asfani  | Institut Teknologi Sepuluh Nopember, Indonesia  |
|          | I Made Yulistya Negara  | Institut Teknologi Sepuluh Nopember, Indonesia  |
|          | P. Perdana Surya  | Institut Teknologi Sepuluh Nopember, Indonesia  |
|          |   |   |