

# IEEE ICMA 2018 Final Technical Program

| Session | Session Title                                      | Paper 1 | Paper 2 | Paper 3 | Paper 4 | Paper 5 | Paper 6 | Date  | Time          |
|---------|--|---------|---------|---------|---------|---------|---------|-------|---------------|
| MP1-1   | Mechanism Design of Robots                         | 830531  | 832691  | 830231  | 832521  | 831191  | 831451  | Aug.6 | 13:30 - 15:00 |
| MP2-1   | Micro & Nano Systems I                             | 831971  | 833681  | 833691  | 834391  | 831521  | 833371  | Aug.6 | 15:15 - 16:45 |
| MP3-1   | Micro & Nano Systems II                            | 831401  | 831671  | 834101  | 831651  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-2   | Medical Robots for Minimal invasive surgery I      | 833471  | 832241  | 830051  | 832951  | 830031  | 834421  | Aug.6 | 13:30 - 15:00 |
| MP2-2   | Medical Robots for Minimal invasive surgery II     | 831001  | 830981  | 830071  | 826771  | 826751  | 830211  | Aug.6 | 15:15 - 16:45 |
| MP3-2   | Medical Robots for Minimal invasive surgery III    | 831011  | 833441  | 833461  | 831731  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-3   | Manufacturing Process & Automation I               | 822091  | 834241  | 832391  | 831821  | 832761  | 834381  | Aug.6 | 13:30 - 15:00 |
| MP2-3   | Manufacturing Process & Automation II              | 825441  | 832751  | 831951  | 832581  | 830841  | 830661  | Aug.6 | 15:15 - 16:45 |
| MP3-3   | Humanoid Robots                                    | 830921  | 832631  | 834751  | 834041  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-4   | Modeling, Simulation Techniques and Methodology I  | 830631  | 830181  | 830192  | 830291  | 834031  | 820501  | Aug.6 | 13:30 - 15:00 |
| MP2-4   | Modeling, Simulation Techniques and Methodology II | 832021  | 831661  | 832061  | 835171  | 835091  | 832161  | Aug.6 | 15:15 - 16:45 |
| MP3-4   | Intelligent Control I                              | 834621  | 830091  | 833281  | 834511  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-5   | Vision System & Image Processing                   | 834821  | 832531  | 832311  | 833411  | 830141  | 834534  | Aug.6 | 13:30 - 15:00 |
| MP2-5   | Vision system and robotic vision                   | 831261  | 831601  | 832382  | 832821  | 832081  | 832842  | Aug.6 | 15:15 - 16:45 |
| MP3-5   | Vision System & Application                        | 832841  | 834471  | 834691  | 834771  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-6   | Mobile Robot System I                              | 833991  | 832091  | 834461  | 834971  | 830731  | 834301  | Aug.6 | 13:30 - 15:00 |
| MP2-6   | Mobile Robot System II                             | 832461  | 830052  | 830271  | 824401  | 832651  | 831681  | Aug.6 | 15:15 - 16:45 |
| MP3-6   | Actuator Design                                    | 831231  | 832881  | 833551  | 832481  |         |         | Aug.6 | 17:00 - 18:00 |
| MP1-7   | Control theory and application I                   | 834591  | 832411  | 830193  | 830191  | 833051  | 834641  | Aug.6 | 13:30 - 15:00 |
| MP2-7   | Control theory and application II                  | 832711  | 832571  | 832231  | 830131  | 830691  | 831431  | Aug.6 | 15:15 - 16:45 |
| MP3-7   | Medical & Rehabilitation Systems                   | 832151  | 833951  | 833191  | 834481  |         |         | Aug.6 | 17:00 - 18:00 |
| TA1-1   | Signal and Image Processing I                      | 824661  | 830581  | 834731  | 834341  | 834221  | 834831  | Aug.7 | 8:30 - 10:00  |
| TA2-1   | Signal and Image Processing II                     | 834561  | 834571  | 831221  | 834441  | 834401  | 834532  | Aug.7 | 10:30 - 12:00 |
| TP1-1   | Signal and Image Processing III                    | 832771  | 832851  | 832731  | 832491  | 832662  | 831511  | Aug.7 | 13:30 - 15:00 |
| TP2-1   | Signal and Image Processing IV                     | 830751  | 834941  | 834991  | 831653  | 832671  | 832661  | Aug.7 | 15:30 - 17:00 |
| TA1-2   | Intelligent Mechatronics                           | 833131  | 832921  | 832131  | 833301  | 834311  | 833151  | Aug.7 | 8:30 - 10:00  |
| TA2-2   | Intelligent Mechatronics and Application I         | 830781  | 830432  | 833431  | 830431  | 831791  | 835141  | Aug.7 | 10:30 - 12:00 |
| TP1-2   | Intelligent Mechatronics and Application II        | 835151  | 831561  | 833941  | 833911  | 834671  | 831701  | Aug.7 | 13:30 - 15:00 |
| TP2-2   | Intelligent Mechatronics and Application III       | 833261  | 831501  | 832991  | 832401  | 833912  | 831751  | Aug.7 | 15:30 - 17:00 |
| TA1-3   | Mechatronic Systems I                              | 831541  | 834251  | 835081  | 834091  | 834021  | 834501  | Aug.7 | 8:30 - 10:00  |
| TA2-3   | Mehatronic Systems II                              | 830931  | 832981  | 833211  | 833771  | 832221  | 832251  | Aug.7 | 10:30 - 12:00 |
| TP1-3   | Mechanism & Design                                 | 833591  | 833741  | 831922  | 832171  | 831841  | 834931  | Aug.7 | 13:30 - 15:00 |
| TP2-3   | Manufacturing Systems & Automation                 | 832801  | 832891  | 830261  | 830621  | 831321  | 831551  | Aug.7 | 15:30 - 17:00 |
| TA1-4   | Intelligent Control II                             | 834581  | 830961  | 831741  | 833621  | 832791  | 830801  | Aug.7 | 8:30 - 10:00  |
| TA2-4   | Mutiple Robot Control                              | 832471  | 833451  | 834701  | 833971  | 831091  | 831411  | Aug.7 | 10:30 - 12:00 |
| TP1-4   | Biomimetic Systems                                 | 830901  | 826831  | 834721  | 833491  | 832931  | 831461  | Aug.7 | 13:30 - 15:00 |
| TP2-4   | Intelligent Biomedical Technology                  | 833351  | 833531  | 832501  | 831912  | 833931  | 832271  | Aug.7 | 15:30 - 17:00 |

|        |  |        |        |        |        |        |        |       |               |
|--------|--|--------|--------|--------|--------|--------|--------|-------|---------------|
| TA1-5  | Modeling, Simulation Techniques and Methodology IV       | 820141 | 830741 | 830501 | 831021 | 831081 | 831181 | Aug.7 | 8:30 - 10:00  |
| TA2-5  | Opto-electronic Element and Materials                    | 830911 | 831491 | 831631 | 834131 | 833231 | 834081 | Aug.7 | 10:30 - 12:00 |
| TP1-5  | Element, structures and mechanisms I                     | 825191 | 830502 | 830611 | 831041 | 831061 | 831071 | Aug.7 | 13:30 - 15:00 |
| TP2-5  | Element, structures and mechanisms II                    | 831141 | 823801 | 831271 | 832441 | 833311 | 833391 | Aug.7 | 15:30 - 17:00 |
| TA1-6  | Mobile Robots  | 834711 | 831891 | 830651 | 833482 | 833711 | 824402 | Aug.7 | 8:30 - 10:00  |
| TA2-6  | Biomimetic Measurement and Control in Robotics           | 825881 | 833251 | 831051 | 832611 | 820121 | 830321 | Aug.7 | 10:30 - 12:00 |
| TP1-6  | Space and Telerobotics                                   | 831171 | 833181 | 831101 | 830561 | 831621 | 833921 | Aug.7 | 13:30 - 15:00 |
| TP2-6  | AUV & Space Robots                                       | 831881 | 834321 | 830641 | 833511 | 834681 | 830971 | Aug.7 | 15:30 - 17:00 |
| TA1-7  | Control theory and application III                       | 831591 | 833361 | 825101 | 833731 | 831761 | 831831 | Aug.7 | 8:30 - 10:00  |
| TA2-7  | Control theory and application IV                        | 834611 | 832431 | 834521 | 831472 | 831991 | 834051 | Aug.7 | 10:30 - 12:00 |
| TP1-7  | Control theory and application V                         | 831381 | 833791 | 834761 | 832901 | 831571 | 831391 | Aug.7 | 13:30 - 15:00 |
| TP2-7  | Control theory and application VI                        | 834061 | 832831 | 833541 | 832941 | 833581 | 832071 | Aug.7 | 15:30 - 17:00 |
| WA1-1  | Signal and Image Processing V                            | 833801 | 832781 | 835161 | 832331 | 832361 | 833981 | Aug.8 | 9:30 - 11:00  |
| WA2-1  | Signal and Image Processing VI                           | 832871 | 820142 | 831652 | 832341 |        |        | Aug.8 | 11:15 - 12:15 |
| WA1-2  | Manipulator Control I                                    | 832201 | 830401 | 834601 | 833781 | 831241 | 833091 | Aug.8 | 9:30 - 11:00  |
| WA2-2  | Manipulator Control II                                   | 831281 | 833641 | 832861 | 831301 |        |        | Aug.8 | 11:15 - 12:15 |
| WA1-3  | Sensor design and sensing system                         | 824662 | 830511 | 833021 | 832211 | 831201 | 832961 | Aug.8 | 9:30 - 11:00  |
| WA2-3  | Signal Measurement and Process in Automatic Control      | 834191 | 831361 | 831611 | 833031 |        |        | Aug.8 | 11:15 - 12:15 |
| WA1-5  | Modeling, Simulation Techniques and Methodologies III    | 830004 | 832561 | 832591 | 833121 | 833631 | 832452 | Aug.8 | 9:30 - 11:00  |
| WA2-5  | Rotor Dynamics, Vibration Analysis and Vibration Control | 834011 | 834801 | 833651 | 832601 |        |        | Aug.8 | 11:15 - 12:15 |
| WA1-6  | Control theory and application VII                       | 832511 | 833661 | 830941 | 831471 | 832011 | 831781 | Aug.8 | 9:30 - 11:00  |
| WA2-6  | Manipulation Sensing & System                            | 833101 | 832191 | 820801 | 830322 |        |        | Aug.8 | 11:15 - 12:15 |
| WA1-7  | Human-System Interaction                                 | 830521 | 832681 | 831811 | 832872 | 833061 | 830831 | Aug.8 | 9:30 - 11:00  |
| WA2-7  | Robot Navigation and Control Algorithm                   | 834921 | 834901 | 834961 | 832031 |        |        | Aug.8 | 11:15 - 12:15 |
| MA1-P  | Poster Session (Intelligent Mechatronics and Automation) | 831861 | 832121 | 831512 | 833321 | 832911 | 834261 | Aug.6 | 11:00-12:00   |
|        |  | 833521 | 831311 | 831341 | 834202 | 832811 | 834871 |       |               |
|        |  | 834291 | 831161 | 835101 | 833381 | 832371 | 834661 |       |               |
|        |  | 834121 | 831151 | 833071 | 832621 | 832321 | 834211 |       |               |
|        |  | 833861 | 831111 | 830821 | 833721 | 832001 | 834071 |       |               |
|        |  | 820041 | 830721 | 832971 | 833401 | 831931 | 831421 |       |               |
|        |  | 833751 | 834911 | 833601 | 833291 | 831871 | 832381 |       |               |
|        |  | 833582 | 830411 | 830351 | 831981 | 831851 | 832351 |       |               |
|        |  | 833561 | 830341 | 830161 | 833241 | 831711 | 832261 |       |               |
|        |  | 833081 | 830281 | 834981 | 833041 | 831622 | 831721 |       |               |
|        |  | 833001 | 830301 | 833761 | 833011 | 831581 | 831691 |       |               |
|        |  | 833701 | 832721 | 830461 | 830462 | 830463 | 834531 |       |               |
|        |  | 834533 | 834811 | 831292 | 820031 | 831291 | 832051 |       |               |
| 831801 | 831941   | 832301 | 831481 |        |        |        |        |       |               |

\*Yellow background: No Registration Confirm