

# IEEE Robio 2007 Advance Program

Nov.15

| Session ID                 | Session Title                              | Paper 1 | Paper 2 | Paper 3 | Paper 4 | Paper 5 |
|----------------------------|--|---------|---------|---------|---------|---------|
| <b>Sunday, December 16</b> |  |         |         |         |         |         |
| SA1                        | Biomimetic Robot I                         | 501     | 676     | 191     | 426     | 557     |
| SA2                        | Networked Robot Systems I                  | 325     | 534     | 704     | 663     | 241     |
| SA3                        | Micro/Nano Sensing & Manipulation          | 286     | 105     | 592     | 322     | 308     |
| SA4                        | Medical Robot Systems I                    | 174     | 215     | 306     | 668     | 276     |
| SA5                        | Human Motion Estimation / Recognition I    | 444     | 368     | 731     | 548     | 649     |
| SA6                        | IS: Intelligent Systems and Methodologies  | 680     | 583     | 352     | 197     | 405     |
| SA7                        | Visual Tracking & Realtime Vision          | 608     | 409     | 157     | 644     | 652     |
| SA8                        | Acquisition & Control                      | 669     | 279     | 417     | 127     | 610     |
| SA9                        | Service Robot                              | 621     | 202     | 412     | 448     | 277     |
| SP1                        | Biomimetic Robot II                        | 509     | 594     | 486     | 482     | 458     |
| SP2                        | Networked Robot Systems II                 | 724     | 727     | 396     | 360     | 353     |
| SP3                        | Motion Planning & Control of Manipulators  | 622     | 617     | 181     | 517     | 549     |
| SP4                        | Medical Robot Systems II                   | 589     | 344     | 477     | 392     | 479     |
| SP5                        | Human Motion Estimation / Recognition II   | 247     | 394     | 240     | 722     | 369     |
| SP6                        | Sensing for Mobile Robot Navigation        | 243     | 130     | 432     | 361     | 602     |
| SP7                        | Vision I                                   | 188     | 315     | 168     | 150     | 159     |
| SP8                        | Space Robotics I                           | 435     | 490     | 142     | 618     | 290     |
| SP9                        | Modular/Reconfigurable Robot               | 377     | 329     | 108     | 234     | 667     |
| SE1                        | Biomimetic Robot III                       | 363     | 545     | 569     | 655     | 437     |
| SE2                        | Evolutionary and Cooperative Robot Systems | 666     | 646     | 496     | 319     | 386     |
| SE3                        | Grasping and Manipulation I                | 493     | 601     | 261     | 328     | 193     |
| SE4                        | Medical Robot Systems III                  | 182     | 729     | 728     | 590     | 236     |
| SE5                        | Human Robot Interaction and Application    | 716     | 239     | 214     | 674     | 725     |
| SE6                        | Sensor Network I                           | 630     | 536     | 201     | 400     | 487     |
| SE7                        | Vision II                                  | 528     | 169     | 456     | 367     | 510     |
| SE8                        | Space Robotics II                          | 365     | 238     | 296     | 301     | 488     |
| SE9                        | Humanoid Robot                             | 628     | 457     | 679     | 335     | 499     |

| <b>Monday, December 17</b> |  |     |     |     |     |  |
|----------------------------|--|-----|-----|-----|-----|--|
| MA1                        | Biomimetic Robot IV                            | 484 | 422 | 658 | 438 |  |
| MA2                        | Swarm Robot Systems                            | 635 | 637 | 374 | 288 |  |
| MA3                        | Grasping and Manipulation II                   | 303 | 662 | 654 | 478 |  |
| MA4                        | IS: Bio-Robotic Systems                        | 734 | 733 | 737 | 738 |  |
| MA5                        | IS: Human-Modeling and Human-Robot Interaction | 609 | 506 | 553 | 736 |  |
| MA6                        | Sensor Network II                              | 543 | 143 | 540 | 593 |  |
| MA7                        | Vision III                                     | 619 | 230 | 702 | 114 |  |
| MA8                        | IS: NSFC Moon Project I                        | 758 | 757 | 760 | 761 |  |
| MA9                        | Biped Robot                                    | 582 | 430 | 300 | 135 |  |
| MN1                        | Biomimetic Robot V                             | 657 | 564 | 429 | 348 |  |
| MN2                        | Multiple Robot Systems                         | 464 | 250 | 310 | 420 |  |
| MN3                        | IS: Interaction and Intelligence               | 503 | 416 | 670 | 522 |  |
| MN4                        | Mobile Robot (Path Planning)                   | 720 | 151 | 468 | 502 |  |
| MN5                        | IS: Cognitive Robotics                         | 740 | 741 | 742 | 385 |  |
| MN6                        | Sensor Network III                             | 512 | 164 | 567 | 282 |  |
| MN7                        | Vision IV                                      | 559 | 552 | 267 | 642 |  |

|     |   |     |     |     |     |
|-----|---|-----|-----|-----|-----|
| MN8 | IS: NSFC Moon Project II                  | 755 | 754 | 763 | 745 |
| MN9 | Legged Robot                              | 507 | 691 | 508 | 117 |
| MP1 | Vehicle Control                           | 334 | 550 | 443 | 474 |
| MP2 | IS: Mobiligence I                         | 190 | 558 | 566 | 575 |
| MP3 | Manipulator Control I                     | 418 | 337 | 581 | 454 |
| MP4 | Wheelchair Robot                          | 347 | 573 | 120 | 684 |
| MP5 | Virtual Reality                           | 645 | 128 | 631 | 651 |
| MP6 | Sensors I                                 | 656 | 624 | 371 | 217 |
| MP7 | Signal Processing and Pattern Recognition | 340 | 413 | 629 | 298 |
| MP8 | IS: NSFC Moon Project III                 | 383 | 749 | 440 | 747 |
| MP9 | Actuators I                               | 195 | 591 | 398 | 735 |
| ME1 | Robots for special Purposes               | 346 | 129 | 209 | 465 |
| ME2 | IS: Mobiligence II                        | 672 | 603 | 521 | 739 |
| ME3 | Manipulator Control II                    | 514 | 354 | 511 | 473 |
| ME4 | Rehabilitation Systems I                  | 531 | 389 | 497 | 664 |
| ME5 | Robot for Human Recognition and Following | 660 | 349 | 316 | 555 |
| ME6 | Sensors II                                | 604 | 449 | 216 | 326 |
| ME7 | Signal Processing                         | 172 | 161 | 304 | 248 |
| ME8 | IS: NSFC Moon Project IV                  | 759 | 748 | 746 | 439 |
| ME9 | Actuators IV                              | 611 | 184 | 515 | 524 |

### Tuesday, December 18

|     |  |     |     |     |     |     |
|-----|--|-----|-----|-----|-----|-----|
| TA1 | Mobile Robot for Special Environment 1   | 198 | 320 | 570 | 179 | 291 |
| TA2 | Localization & Mapping                   | 278 | 206 | 579 | 145 | 561 |
| TA3 | Manipulator Control III                  | 681 | 382 | 268 | 266 | 307 |
| TA4 | Rehabilitation Systems II                | 134 | 447 | 410 | 442 | 743 |
| TA5 | Scheduling & Configuration Control       | 424 | 504 | 372 | 606 | 275 |
| TA6 | Intelligence in Robotics                 | 568 | 480 | 692 | 529 | 467 |
| TA7 | Image Processing I                       | 270 | 331 | 446 | 638 | 546 |
| TA8 | Aerial Robot Systems                     | 252 | 636 | 397 | 535 | 620 |
| TA9 | Actuators II                             | 462 | 343 | 401 | 580 | 544 |
| TP1 | Mobile Robot for Special Environment 2   | 732 | 345 | 327 | 659 | 434 |
| TP2 | Navigation & Control of Electric Vehicle | 251 | 719 | 623 | 415 | 547 |
| TP3 | Industrial Manipulator                   | 411 | 441 | 187 | 295 | 122 |
| TP4 | Parallel Mechanism I                     | 433 | 712 | 124 | 574 | 744 |
| TP5 | Learning & Control                       | 586 | 162 | 596 | 605 | 541 |
| TP6 | Application of computing Intelligence I  | 431 | 233 | 625 | 689 | 180 |
| TP7 | Image Processing II                      | 171 | 525 | 577 | 116 | 330 |
| TP8 | Mobile Robot Design & Control            | 459 | 245 | 690 | 332 | 311 |
| TP9 | Actuators III                            | 357 | 358 | 362 | 350 | 165 |
| TE1 | Underwater Robots & Systems              | 633 | 613 | 565 | 587 | 196 |
| TE2 | Diagnosis & Fault Tolerant Control       | 599 | 494 | 256 | 578 |     |
| TE3 | Flexible Manipulator                     | 650 | 339 | 404 | 640 | 133 |
| TE4 | Parallel Mechanism II                    | 518 | 687 | 376 | 170 |     |
| TE5 | Human Intension and Emotion Detector     | 293 | 260 | 532 | 614 | 158 |
| TE6 | Application of computing Intelligence II | 153 | 708 | 287 | 258 | 688 |
| TE7 | Control Theory                           | 427 | 199 | 137 | 302 | 370 |
| TE8 | Control of Mechatronic Systems           | 513 | 380 | 598 | 324 | 231 |
| TE9 |  |     |     |     |     |     |