# 12-Oct

|       | M1 | M2 | M3 | M4 |
|-------|----|----|----|----|
| Rm1 | Human-Computer Interaction I (835, 982, 1120, 125, 245, 30*) | Human-Computer Interaction II (259, 311, 394, 546, 555) | Human-Computer Interaction III (617, 636, 799, 887, 893, 904) | Human-Computer Interaction IV (921, 978, 1011, 1024, 1183, 905*) |
| Rm2 | Assistive Technology I (187, 434, 540, 1209, 56*) | Assistive Technology II (197, 1097, 854) | Human-Machine Cooperation and Systems I (28, 404, 696, 753, 763) | Human-Machine Cooperation and Systems II (868, 940, 812, 846, 1230) |
| Rm3 | Systems Safety and Security (109, 123, 974, 1127) | User Interface Design (358, 575, 344, 911) | Virtual and Augmented Reality Systems (207, 541, 648, 815, 888, 1006*) | Web Intelligence and Interaction (128, 680, 856, 736) |
| Rm4 | Human-Computer Symbiosis for Information Retrieval (1204, 704, 1140, 1009, 1222) | Biometric Systems and Bioinformatics I (485, 666, 723, 565, 941) | Biometric Systems and Bioinformatics II (859, 987, 768, 819, 700, 1184*) | |
| Rm5 | Soft Computing I (181, 427, 1023, 198, 156) | Soft Computing II (310, 350, 1074, 377, 367) | Soft Computing III (385, 387, 415, 426, 304) | Soft Computing IV (490, 590, 663, 1058, 1246, 1281) |
| Rm6 | Image Processing/Pattern Recognition I (99, 102, 169, 232, 31, 755) | Image Processing/Pattern Recognition II (962, 253, 292, 295, 760) | Image Processing/Pattern Recognition III (484, 544, 567, 414, 604, 786) | Image Processing/Pattern Recognition IV (498, 591, 642, 667, 576, 774) |
| Rm7 | Discrete Event Systems (638, 646, 791, 1080, 1123, 969) | Evolutionary Computation I (121, 293, 569, 611, 1187, 864) | Evolutionary Computation II (233, 281, 300, 402, 983, 1103) | Evolutionary Computation III (298, 1202, 871, 206, 474, 205*) |
| Rm8 | Computational Intelligence I (191, 1287, 500, 501, 503) | Computational Intelligence II (1030, 1039, 1288, 1289, 793*) | Fuzzy Control Systems and Applications (236, 560, 598, 804, 844) | Agent-Based Modeling (360, 511, 647, 991, 1046, 1231*) |
| Rm9 | Human Centered Transportation System I (84, 88, 184, 1145, 1175) | Human Centered Transportation System II (1065, 1102, 701, 732) | Systems Engineering and Sustainability I (224, 578, 876, 879, 900) | Systems Engineering and Sustainability II (902, 988, 1035, 1178, 1195) |
| Rm10 | Type-2 Fuzzy Logic Systems and Control I (105, 269, 327, 370, 634) | Fuzzy Logic Systems and Control II (852, 977, 460, 526, 724, 463*) | Intelligent Computing in Medical / Health Care Systems I (329, 702, 721, 1025, 1029, 1225) | Informatics and Computational Intelligence (874, 1162, 55, 810, 741, 956) |
| Rm11 | Manufacturing Systems and Automation I (357, 386, 458, 849, 1064) | Manufacturing Systems and Automation II (958, 920, 1019, 688) | Conflict Resolution I (271, 283, 285, 294, 1026) | Conflict Resolution II (333, 347, 369, 479, 662) |
| Rm12 | Smart Sensor Networks I (1126, 994, 1257, 1291, 1177) | Smart Sensor Networks II (68, 321, 629, 1018, 1243, 924*) | Intelligent Internet Systems I (660, 302, 432, 588, 51) | Intelligent Internet Systems II (672, 734, 1069, 1070, 1071, 189) |
| Rm13 | Environmental Decision Support and Visualization Systems (440, 891, 1043, 20, 86) | Grey Systems I (110, 134, 136, 147, 173) | Grey Systems II (152, 163, 240, 594, 60*) | Grey Systems III (596, 855, 872, 126*, 161*, 557*) |
| Rm14 | Intelligent Learning in Control Systems I (82, 111, 130, 132, 437) | Intelligent Learning in Control Systems II (505, 759, 1077, 1092, 1292) | Intelligent RFID Systems (162, 761, 1112, 1238, 539*) | Intelligent Signal Processing and Its Applications (409, 551, 552, 789, 805, 811) |

## 13-Oct

| | T1 | T2 | T3 | T4 |
|---|---|---|---|---|
| Rm1 | Human-Machine Interface & Communications I (137, 164, 338, 442, 747) | Human-Machine Interface & Communications II (757, 909, 912, 951, 927) | Human-Machine Interface & Communications III (1021, 1053, 1194, 787, 1084) | Kansei (sense/emotion) Engineering (507, 554, 599, 698, 708) |
| Rm2 | Human Factors I (83, 353, 506, 619, 639) | Human Factors II (256, 630, 830, 837, 1207) | Human Performance Modeling I (172, 603, 643, 771, 788) | Human Performance Modeling II (445, 475, 600, 1037, 1041) |
| Rm3 | Information Systems for Design and Marketing (213, 436, 524, 592, 616) | Design Methods (122, 473, 597, 851) | Interactive and Digital Media (728, 1087, 390, 574, 679 ) | Image Sharing and Retrieval (330, 334, 549, 746, 882) |
| Rm4 | Brain-based Information Communications (659, 1124, 1260, 895, 1179) | Multimedia Systems and Web Intelligence (857, 869, 809) | Granular Computing I (306, 466, 625, 976, 985) | Granular Computing II (1098, 1166, 1272, 251, 1139) |
| Rm5 | Soft Computing V (720, 765, 776, 796, 829) | Soft Computing VI (832, 834, 875, 1004, 1007) | Heuristic Algorithms (229, 413, 492, 798, 877) | |
| Rm6 | Image Processing/Pattern Recognition V (822, 671, 743, 839, 807, 61*) | Image Processing/Pattern Recognition VI (495, 1170, 1118, 1161, 699*) | Image Processing/Pattern Recognition VII (999, 1164, 1134, 1242, 1229,797*) | Image Processing/Pattern Recognition VIII (1245, 1280, 1295, 1206, 1227, 1116*) |
| Rm7 | Swarm Intelligence (190, 730, 963, 998, 400) | Swarm Intelligence/Knowledge-based Systems (1201, 1214, 1012, 1142, 227) | Fuzzy Systems and Their Applications I (85, 91, 274, 925, 1223, 58*) | Fuzzy Systems and Their Applications II (395, 624, 840, 1232, 1241, 80) |
| Rm8 | Innovative Methodology of Soft Computing for Management Engineering (176, 231, 272, 430, 441) | Knowledge Acquisition in Intelligent Systems (182, 320, 863, 1063, 831) | Computational Intelligence III (141, 179, 726, 384, 1269) | Computational Intelligence IV (995, 1001, 1253, 515, 1188, 795*) |
| Rm9 | Machine Learning I (1038, 371, 93, 235) | Machine Learning II (486, 504, 530, 478, 908, 1008*) | Machine Learning III (853, 914, 944, 955, 729, 464, 1094*) | Machine Learning IV (1159, 131, 997, 1122, 1131,1173*) |
| Rm10 | Cognitive Radio Networks and Technologies (155, 208, 382, 403, 685) | Cognitive Radio Networks/Communication Networks (919, 923, 953, 410, 1263, 1264) | Self-Organization and Complex Distributed Systems (168, 263, 739, 1217, 690) | Signal and Image Processing (113, 706, 767, 1169, 1244) |
| Rm11 | Conflict Resolution III (644, 686, 691, 695, 703) | Conflict Resolution IV (719, 319, 901, 981, 1052) | Underwater Sensing and Automatic Target Recognition (297, 366, 397, 635, 946, 959) | Collaborative Wireless Sensor Networks (209, 523, 952, 185*) |
| Rm12 | Intelligent Control for Mobile Robots (62, 97, 438, 443, 452) | Robotic Systems I (933, 237, 510, 967, 669) | Robotic Systems II (525, 627, 675, 827, 496) | Robotic Systems III (258, 148, 278, 711, 1040, 1203) |
| Rm13 | Distributed Intelligent Systems (157, 345, 661, 779, 1237, 388) | System Modeling & Control I (1196, 860, 1028, 954, 813) | System Modeling & Control II (748, 579, 623, 965, 312) | Enterprise Information Systems I (288, 289, 290, 308, 351, 469*) |
| Rm14 | The System of Vehicle, Driver, Environment and Control (VDEC) I (202, 1034, 1215, 1216, 1267) | The System of Vehicle, Driver, Environment and Control (VDEC) II (363, 365, 1270, 1271) | Discrete Event Systems and Petri Nets I (491, 1016, 18, 188, 398, 455) | Discrete Event Systems and Petri Nets II (561, 1002, 1141, 770, 1081, 948) |

## 14-Oct

| | W1 | W2 | W3 | W4 |
|---|---|---|---|---|
| Rm1 | Visual Information Processing I (818, 34, 116, 120, 843) | Visual Information Processing II (396, 195, 210, 531, 993, 814) | Visual Information Processing III (559, 572, 602, 641, 651, 175*) | |
| Rm2 | Large-Scale/Complex Syst, Syst of Sys I (1042, 255, 586, 833) | Large-Scale/Complex Syst, Syst of Sys II (1128, 1197, 673, 215, 945*) | Systems and Cybernetics (279, 1097, 935, 930, 1130*) | Systems (336*, 550*, 186*, 221*) |
| Rm3 | Fault Monitoring and Diagnosis I (214, 343, 482, 968, 971) | Fault Monitoring and Diagnosis II (898, 1017, 476, 538, 607, 167) | Intelligent Transportation Systems and Power Systems (522, 915, 1083, 1158, 1151, 1275) | Remote Services (299, 383, 489, 654, 794) |
| Rm4 | Intelligent Transportation Systems (1088, 1191, 1282, 1276, 1286) | Media Computing (352, 355, 1193, 1114) | Artificial Immune Systems (1171, 972, 801, 119, 1119) | Information Assurance & Intelligent Multimedia-Mobile Communications (151, 170, 645, 1013) |
| Rm5 | Neural Networks and Their Applications I (89, 127, 239, 171, 323) | Neural Networks and Their Applications II (376, 508, 509, 584, 612) | Neural Networks and Their Applications III (656, 949, 960, 1051, 1129, 1153) | Neural Networks and Their Applications IV (802, 47, 1278, 33*) |
| Rm6 | Machine Vision I (361, 364, 468, 556, 1027, 1192*) | Machine Vision II (677, 143, 792, 961, 393*) | Systems Biology (212, 254, 664, 1154, 92*, 1138*) | Consumer and Industrial Applications/ Micro and Nano Systems (140, 142, 601, 315, 758, 764) |
| Rm7 | Fuzzy Forecasting (419, 423, 424, 529, 534) | Hybrid models of NN, Fuzzy Sys & Evolutionary Computing I (219, 244, 605, 1294, 1279) | Hybrid models of NN, Fuzzy Sys & Evolutionary Computing II (1290, 883, 326, 581, 766) | |
| Rm8 | Information Assurance & Intel. Multimedia Computation I (112, 392, 694, 986, 1100, 1236) | Optimization I (87, 307, 405, 520, 674, 800) | Optimization II (731, 984, 1211, 1285, 657) | Education Technology and Training (166, 775, 421, 493) |
| Rm9 | Homeland Security I (177, 401, 652, 433, 477) | Homeland Security II (928, 1022, 1252, 1210) | Meta-synthesis and Complex Systems I (248, 682, 778, 780) | Meta-synthesis and Complex Systems II (817, 823, 906, 1155, 158*) |
| Rm10 | Decision Making and Management for Infrastucture Systems I (139, 317, 907, 939, 1121, 117) | Decision Making and Management for Infrastucture Systems II (1160, 1212, 521, 1157, 368) | Decision Support Systems I (516, 536, 609, 159*) | Decision Support Systems II (406, 689, 1010, 431, 777) |
| Rm11 | Collaborative Virtual Workspaces in Design, Engineering, and Construction (1048, 1165, 938, 862, 1219*) | Collaborative Commerce (1049, 1032, 201, 858, 1261) | Collaborative Manufacturing and Supply Chains (180, 980, 1137, 1220, 1221) | Role-Based Systems/Quality & Reliability Engineering (451, 922, 487, 873, 362*) |
| Rm12 | Robotic Systems IV (1185, 1205, 1095, 1265, 1036) | Robotic Systems V (1186, 1000, 150, 257, 417, 773) | Mechatronics (21, 614, 615, 717, 1218, 1240) | Medical Mechatronics and Mobile Robotics (1075, 1251, 570, 687, 1085) |
| Rm13 | Enterprise Information Systems II (1073, 448, 449, 744) | Enterprise Information Systems III (1033, 1144, 1005, 973) | System Modeling & Control III (886, 713, 488, 866, 718, 738*) | System Modeling & Control IV (44, 459, 697, 1079*) |
| Rm14 | Distributed, Complex Software Systems (632, 754, 992, 1163, 929*) | Control of Uncertain Systems (573, 628, 964, 1062, 322, 917) | Control of Nonlinear and Uncertain Systems (610, 63, 447, 842, 1273*, 1274*) | Cooperative Systems and Control (29, 324, 620, 621, 429, 1150*) |