



# 2024 10th International Conference on Control, Decision and Information Technologies CoDIT 2024

July 1-4, 2024

Website: <https://codit2024.com> , email: [contact@codit2024.com](mailto:contact@codit2024.com)

## CoDIT 2024 Program (Version 5.0)

Monday - July 01, 2024					Tuesday - July 02, 2024					Wednesday - July 03, 2024					Thursday - July 04, 2024																			
Registration (7:30 - 16:30)	(8:00 - 10:00) T-Sessions 1					(8:00 - 10:00) T-Sessions 5					(8:00 - 10:00) T-Sessions 9					(8:00 - 10:00) T-Sessions 14																		
	S-01	S-02	S-03	S-04	S-05	S-21	S-22	S-23	S-24	S-25	S-41	S-42	S-43	S-44	S-47	S-48	S-49	S-50																
	(10:00 - 10:20) Coffee break					(10:00 - 10:20) Coffee break					(10:00 - 10:20) Coffee break					(10:00 - 10:20) Coffee break																		
	(10:20- 11:20)					(10:20- 11:10)					(10:20 - 12:20) HT-Sessions 10					(10:20 - 12:20) VT-Sessions 15																		
	Opening Ceremony & Keynote 1					Keynote 3					S-45	S-46	V-1	V-2	V-21	V-22	V-23	V-24	V-25	V-26														
	(11:20 - 13:00) T-Sessions 2					(11:10 - 12:50) T-Sessions 6					(12:30 - 14:30) VT-Sessions 11					<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; background-color: #d9ead3; margin-right: 5px;"></div> On-Site Sessions (S)           <div style="width: 20px; height: 20px; background-color: #f4cccc; margin-left: 20px; margin-right: 5px;"></div> Online Sessions (V)         </div> <p style="color: blue; font-size: small; margin-top: 10px;">All listed times are according to Central European Time (CET)</p>																		
	S-06	S-07	S-08	S-09	S-10	S-26	S-27	S-28	S-29	S-30	V-3	V-4	V-5	V-6	V-7						V-8													
	(13:00 - 14:20) Lunch					(12:50 - 14:10) Lunch					(14 :30 -16:40) VT-Sessions 12																							
	(14:20- 15:10)					(14:10 - 16:10) T-Sessions 7					V-9	V-10	V-11	V-12	V-13						V-14													
	Keynote 2					S-31					S-32					S-33					S-34					S-35					(16:40 - 18:50) VT-Sessions 13			
(15:10 - 16:50) T- Sessions 3					V-15																										V-16			
S-11	S-12	S-13	S-14	S-15	(16:50- 17:10) Coffee break					(16:10 - 16:30) Coffee break					Free time																			
(17:10 - 19:10) T-Sessions 4																				(16:30 - 18:30) T-Sessions 8					(19:00 - 22:00) Gala dinner									
S-16	S-17	S-18	S-19	S-20	S-36	S-37	S-38	S-39	S-40																									

### IMPORTANT

#### PRESENTATIONS - DURATION

- **Keynote:** The duration of each presentation is of 40 minutes plus 10 minutes for questions.
- **Oral presentation (Regular):** The max duration of each presentation is of 13 minutes plus 5 minutes for questions.

Accepted file formats for all presentations are PDF and PPT.

## Sessions Titles - Papers ID/Session

<b><i>On-Site Sessions</i></b>
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Code	Title	Papers ID/Sessions
S-01	Process Control	611 - 458 - 77 - 430 - 372 - 759
S-02	Control Applications	450 - 586 - 265 - 605 - 156 - 389
S-03	Sensors and Instrumentation	420 - 173 - 394 - 573 - 186 - 198
S-04	Computer in Engineering	286 - 192 - 518 - 648 - 678 - 216 - 417
S-05	System Identification	282 - 532 - 143 - 674 - 366 - 752 - 673
S-06	Advanced Control Solutions for Nonlinear Systems	592 - 259 - 633 - 102 - 131 - 264 - 285
S-07	Applied Artificial Intelligence	404 - 195 - 428 - 431 - 587 - 704
S-08	Special Session - Enterprise Resilience and Control Systems	135 - 137 - 339 - 171 - 411 - 423 - 212
S-09	Graphs and Networks	407 - 331 - 231 - 711 - 369 - 254 - 182
S-10	Predictive and Optimal Control	340 - 677 - 412 - 151 - 128 - 245
S-11	Energy Control and Optimization	229 - 494 - 162 - 619 - 246 - 248
S-12	Special Session: Recent Advances in Multi-Robot Systems: Modeling, Optimization and Applications	287 - 338 - 507 - 279 - 661 - 749
S-13	Special Session - Stochastic Systems and Control with Emerging Applications	207 - 241 - 452 - 628 - 290 - 414
S-14	Scheduling and Supply Chain Management Problemes	770 - 725 - 220 - 311 - 760 - 485 - 126
S-15	Fault Detection	446 - 274 - 111 - 196 - 581 - 556
S-16	Discrete Event Systems	609 - 356 - 351 - 205 - 639 - 508 - 272
S-17	Transport Optimization	87 - 96 - 88 - 189 - 396 - 621 - 318
S-18	Intelligent Control	416 - 695 - 163 - 328 - 688 - 629
S-19	Artificial Intelligence	190 - 252 - 305 - 625 - 132 - 213
S-20	Control Design Methods (Part 1)	308 - 142 - 438 - 676 - 500 - 570
S-21	Multi-Objective Optimization	538 - 422 - 761 - 295 - 312 - 613 - 719
S-22	Control of Nonlinear Systems	243 - 354 - 555 - 69 - 667 - 724
S-23	Modeling and Simulation with applications	576 - 690 - 262 - 337 - 193 - 717 - 223
S-24	Learning Systems	653 - 659 - 230 - 530 - 666
S-25	Control Design Methods (Part 2)	715 - 509 - 564 - 94 - 110 - 638 - 146
S-26	Special Session - Data driven approach for modelling, control and optimization of cyber-physical systems	319 - 361 - 397 - 590 - 731 - 758
S-27	Applied Optimization	355 - 474 - 317 - 71 - 348 - 127 - 425
S-28	Linear Systems	199 - 255 - 218 - 145 - 138 - 712
S-29	Operational Research	281 - 324 - 336 - 139 - 762 - 121 - 398
S-30	Optimal Control	505 - 120 - 539 - 405 - 657 - 600 - 537

<b>S-31</b>	Robotics with Applications (Part 1)	504 - 595 - 641 - 329- 680 - 560 - 519
<b>S-32</b>	Engineering with Applied Neural Networks	95 - 85 - 745 - 154 - 275 -334
<b>S-33</b>	Special Session - Advances in robotic navigation in cluttered and hostile environments	381 - 454 - 540 - 542 - 686
<b>S-34</b>	Software based Artificial Intelligence	188 - 211 - 206 - 671 - 292 - 341
<b>S-35</b>	Special Session - Recent Advances for Resource Allocation Problems	125 - 185 - 607 - 310 - 434 - 577 - 370
<b>S-36</b>	Robotics with Applications (Part 2)	603 - 54 - 598 - 506 - 720 - 104 - 503
<b>S-37</b>	Learning Systems	309 - 174 - 117 - 631 - 689 - 464
<b>S-38</b>	Control Theory	493 - 432 - 672 - 444 - 647 - 566
<b>S-39</b>	Internet and Cloud Computing	166 - 496 - 627 - 187 - 637 - 393
<b>S-40</b>	Diagnosis Techniques	314 - 343 - 122 - 118 - 238 - 708
<b>S-41</b>	Image Processing	20 - 364 - 235 - 421 - 486 - 392
<b>S-42</b>	Special Session - Optimization and control for fusion plasmas	130 - 129 - 133 - 158 - 73 - 236
<b>S-43</b>	Combinatorial and Applied Optimization	601 - 697 - 591 - 344 - 302 - 455 - 502
<b>S-44</b>	Intelligent Systems	177 - 665 - 655 - 14 - 76 - 225
<b>S-45</b>	Special Session: Intelligent systems and methods for human monitoring	261 - 263 - 270 - 634 - 375
<b>S-46</b>	Special Session: Artificial Intelligence trends for healthcare optimization: Metaheuristics, Machine learning and IOT	401 - 578 - 599 - 601 - 617 -698 - 729 - 734
<b>S-47</b>	Special Session - Efficient Training Paradigms for Edge Devices: Balancing Memory and Time Constraints	160 - 321 - 323 - 743 - 271 - 541 - 426 - 289
<b>S-48</b>	Mobile, Wireless Communications, and Telecommunication Applications	524 - 100 - 478 - 56 - 313 - 358
<b>S-49</b>	Monitoring and Supervision	63 - 526 - 487 - 482 - 64 - 170
<b>S-50</b>	Data Mining	244 - 580 - 109 - 214 - 315

## Online Sessions

<b>Code</b>	<b>Title</b>	<b>Papers ID/Sessions</b>
<b>V-01</b>	Applications based Neural Networks	568 - 433 - 511 - 222 - 750 - 701 - 435
<b>V-02</b>	Applied Optimization	681 - 181 - 567 - 747 - 296 - 602 - 636
<b>V-03</b>	Innovative Control Design	584 - 258 - 521 - 693 - 325 - 409 - 536
<b>V-04</b>	Artificial Intelligence and Data Mining	147 - 357 - 410 - 184 - 624 - 382 - 68
<b>V-05</b>	Computer Assisted Optimization	234 - 705 - 387 - 460 - 732 - 479 - 159
<b>V-06</b>	Control Applications	436 - 510 - 629 - 557 - 227 - 48 - 291
<b>V-07</b>	Control Systems	256 - 640 - 703 - 585 - 694 - 359 - 574
<b>V-08</b>	Diagnosis and Systems Security	771 - 763 - 764 - 766 - 765 - 232 - 533
<b>V-09</b>	Cloud Computing and Wireless Systems	593 - 594 - 726 - 685 - 247 - 202 - 702
<b>V-10</b>	Fault Detection	735 - 748 - 93 - 736 - 484 - 769 - 721
<b>V-11</b>	Image Processing	427 - 342 - 563 - 473 - 596 - 51 - 551 - 751
<b>V-12</b>	Applied Control Techniques	707 - 456 - 552 - 622 - 134 - 140 - 696 - 668
<b>V-13</b>	System Identification	466 - 149 - 642 - 529 - 167 - 360 - 656
<b>V-14</b>	Special Session: IoT and AI for Smart Systems	379 - 453 - 554 - 757 - 152 - 530 - 203
<b>V-15</b>	Robotics	297 - 543 - 495 - 534 - 635 - 516 - 144
<b>V-16</b>	Monitoring and Supervision	257 - 620 - 345 - 663 - 654 - 32 - 572
<b>V-17</b>	Nonlinear Systems	515 - 301 - 402 - 200 - 178 - 153 - 614
<b>V-18</b>	Multi-Objective and Intelligent Optimization	447 - 490 - 99 - 108 - 606 - 604 - 520
<b>V-19</b>	Integrated Energy Control	298 - 501 - 161 - 517 - 141 - 419 - 692 - 575
<b>V-20</b>	Smart Engineering Innovations	706 - 535 - 687 - 1 - 424 - 363 - 448 - 352
<b>V-21</b>	Intelligent Control	278 - 559 - 597 - 113 - 561 - 346 - 589 - 97
<b>V-22</b>	Systems Engineering	549 - 273 - 303 - 716 - 746 - 197 - 306 - 242
<b>V-23</b>	Applied Transport Optimization	699 - 651 - 373 - 106 - 440
<b>V-24</b>	Control Theory	528 - 376 - 280 - 2 - 294 - 288 - 267
<b>V-25</b>	Special Session: Emergent Methods, Techniques and Tools for Cybersecurity	429 - 457 - 461 - 194 - 465 - 475 - 492 - 755
<b>V-26</b>	Scheduling and Optimization Strategies	365 - 646 - 439 - 565 - 180 - 169