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**Fachhochschule
Dortmund**
University of Applied Sciences and Arts



8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS-2024) organized from 7th-9th November 2024.

**8th IEEE INTERNATIONAL CONFERENCE ON
COMPUTATIONAL SYSTEMS AND INFORMATION TECHNOLOGY FOR SUSTAINABLE
SOLUTIONS-2024**

SCHEDULE OF EVENTS
Day 1: 8th Nov 2024 (Friday)

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| 08:30- 9:30 AM | Registration | Venue: IEM Auditorium |
| 09:30-11.00 AM | Inauguration | Venue: IEM Auditorium |
| 11.00 - 11.15 AM | High Tea Break | |
| 11:15-11:50AM | <p>Keynote Address-I</p> <p>Dr S S Iyengar</p> <p>Distinguished University Professor, Ryder Professor, Director, US Army Funded Digital Forensics Center of Excellence Knight Foundation School of Computing and Information Sciences FIU, Miami, USA</p> | <p><i>Topic: De-mystifying Artificial Intelligence: From Concept to Reality</i></p> <p>Venue: IEM Auditorium</p> |
| 11:50-12:30 PM | <p>Keynote Address-II</p> <p>Chaitra Vedulaipalli</p> <p>CEO, Meylah Technologies, Seattle, USA Co-Founder, WiC, USA</p> | <p><i>Topic: The AI Renaissance: Redefining Industries and Human Potential in the Age of Automation</i></p> <p>Venue: IEM Auditorium</p> |
| 12.30-1.00 PM | <p>Mr. Praveen</p> <p>ATDXT Private Limited, Bengaluru</p> | <p><i>Topic: Pioneering the Future: Technological Innovations at ATDXT</i></p> <p>Venue: IEM Auditorium</p> |
| 01:00-02:00 PM | Lunch Break | |

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| 02:00-05:00 PM Tea Break: 03:30-03:45 PM | <p>SESSION 1: AI</p> <p>Venue : <i>ISE SEMINAR HALL</i> (Paper ID:19, 32, 37, 59, 61, 76, 78, 79, 899, 916)</p> | <p>SESSION 2: AI</p> <p>Venue : <i>ISE 224</i> (Paper ID: 83, 86, 97,105,108,117,120,121,122)</p> |
| | <p>SESSION 3: AI</p> <p>Venue : <i>CHEMICAL SEMINAR HALL</i> (Paper ID: 143,154,160, 187, 190, 221, 224, 227)</p> | <p>SESSION 4: AI</p> <p>Venue : <i>TCE SEMINAR HALL</i> (Paper ID: 138, 238, 251, 266, 292, 314,315, 321)</p> |

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| | SESSION 5: AI Venue : <i>ISE 110</i> (Paper ID: 329, 351, 354, 359, 368, 371) | SESSION 6: Quantum Mechanics & Photonics Venue : <i>PHYSICS SEMINAR HALL</i> (Paper ID: 102, 284, 370, 572, 634, 833, 891) |
| | SESSION 7: Computational Analysis & Autonomous Vehicles Venue : <i>MV SEMINAR HALL</i> (Paper ID: 109, 276, 477, 520, 683, 128, 247, 277, 317, 624) | SESSION 8: Next Generation Venue : <i>IS 304</i> (Paper ID: 119, 129, 197, 250, 261, 402) |
| | SESSION 9: Next Generation Venue : <i>IS 106A</i> (Paper ID: 442, 489, 517, 576, 662, 669) | SESSION 10: Digital Transformation Venue : <i>ISE 112B</i> (Paper ID: 10, 26, 84, 101, 139, 183, 219, 220, 234) |
| | SESSION 11: Digital Transformation Venue : <i>ISE 109</i> (Paper ID: 279, 282, 349, 438, 446, 496, 511) | SESSION 12: Cyber Physical Systems Venue : <i>ISE 106B</i> (Paper ID: 20, 23, 107, 135, 232, 242, 254) |
| | SESSION 13: Cyber Physical Systems Venue : <i>ECE SEMINAR HALL</i> (Paper ID: 325, 346, 365, 372, 391, 427, 523, 526) | SESSION 14: Bio Medical Electronics Venue : <i>MCA 005</i> (Paper ID: 12, 13, 131, 202, 233, 274, 281, 290) |
| | SESSION 15: Bio Medical Electronics Venue : <i>MCA SEMINAR HALL</i> (Paper ID: 332, 355, 413, 420, 500, 504, 534) | SESSION 16: Online Track 1 Venue : <i>ISE Women in Cloud Lab</i> (Paper ID: 62, 258, 304, 404, 501, 748, 760, 836, 911, 933) |
| | SESSION 17: Online Track 2 Venue : <i>ISE VC Lab</i> (PaperID: 40, 133, 134, 226, 336, 480, 676, 693, 960, 1048) | SESSION 18: Online Track 3 Venue : <i>ISE 302</i> (Paper ID: 81, 280, 338, 343, 435, 461, 462, 528, 532, 625) |

SCHEDULE OF EVENTS

Day 2: 9th Nov 2024 (Saturday)

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| 09:30-10:30 AM | Plenary talk by, Prof. Dr.-Ing. Vinod Rajamani Vice Dean Internationalisation Mechanical Engineering, Dortmund University | Topic: <i>Relevance of sustainable engineering today and the way forward</i> Venue: ECE Seminar Hall |
| 10:30-10:45 AM | High Tea Break | |
| 11:00-01:00 PM | SESSION 19: AI Venue : <i>ISE SEMINAR HALL</i> (Paper ID: 374, 380, 385, 396, 397, 412, 414, 422, 440) | SESSION 20 : AI Venue : <i>ISE 106 A</i> (Paper ID: 444, 451, 453, 456, 459, 486, 1009, 1019) |
| | SESSION 21 : AI Venue : <i>CHEMICAL SEMINAR HALL</i> (Paper ID: 529, 535, 537, 540, 543, 546, 559, 586, 597) | SESSION 22 : AI Venue : <i>TCE SEMINAR HALL</i> (Paper ID: 614, 618, 620, 621, 632, 657, 675, 685, 706, 733) |
| | SESSION 23 : AI Venue : <i>ISE 224</i> (Paper ID: 766, 768, 770, 775, 776, 791, 796, 799, 804) | SESSION 24 : Quantum Mechanics & Photonics Venue : <i>PHYSICS SEMINAR HALL</i> (Paper ID: 205, 340, 416, 545, 587, 826, 976, 1018, 1027) |
| | SESSION 25 : Computational Analysis & Autonomous Vehicles Venue : <i>MV SEMINAR HALL</i> (Paper ID: 757, 824, 871, 872, 873, 919, 924) | SESSION 26 : Renewable Energy Venue : <i>IEM SEMINAR HALL</i> (Paper ID: 158, 179, 180, 181, 390, 941, 970) |
| | SESSION 27 : Next Generation Venue : <i>ISE 302</i> (Paper ID: 670, 673, 674, 695, 701, 712, 732) | SESSION 28: Next Generation Venue : <i>ISE 110</i> (Paper ID: 778, 779, 815, 818, 900, 931) |
| | SESSION 29: Digital Transformation Venue : <i>ISE 112B</i> (Paper ID: 527, 563, 569, 606, 628, 637, 704, 947, 959, 961) | SESSION 30: Digital Transformation Venue : <i>ECE SEMINAR HALL</i> (Paper ID: 720, 742, 765, 777, 789, 808, 831, 988, 1034) |
| | SESSION 31: Cyber Physical Systems Venue : <i>ISE 106B</i> (Paper ID: 574, 611, 622, 650, 788, 943, 950) | SESSION 32: Bio Medical Electronics Venue : <i>MCA SEMINAR HALL</i> (Paper ID: 549, 561, 579, 589, 654, 660, 663, 665) |
| | SESSION 33: Online Track 4 Venue : <i>ISE 304</i> (Paper ID: 327, 328, 330, 458, 856, 491, 341, 324, 862) | SESSION 34: Online Track 5 Venue : <i>ISE WiC CoE Lab</i> (Paper ID: 157, 347, 432, 767) |
| 01:00-02:00 PM | Lunch Break | |

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| 2.00 – 3.45 PM | SESSION 35: AI Venue : <i>ISE SEMINAR HALL</i> (Paper ID: 806, 807, 819, 821, 822, 876, 958, 973) | SESSION 36: AI Venue : <i>ISE 106 A</i> (Paper ID: 877, 887, 890, 913, 914, 917, 932) |
| | SESSION 37: AI Venue : <i>ISE 112B</i> (Paper ID: 394, 938, 951, 964, 966, 980, 981, 1002) | SESSION 38: Robotics & Green Electronics Venue : <i>TCE SEMINAR HALL</i> (Paper ID: 203, 362, 800, 939, 1015, 1033, 1037) |
| | SESSION 39: Robotics & Green Electronics Venue : <i>CHEMICAL SEMINAR HALL</i> (Paper ID: 24, 74, 216, 253, 401, 515, 544) | SESSION 40: Robotics & Green Electronics Venue : <i>PHYSICS SEMINAR HALL</i> (Paper ID: 596, 631, 667, 749, 854, 994, 1012) |
| | SESSION 41: Renewable Energy Venue : <i>MV SEMINAR HALL</i> (Paper ID: 498, 578, 594, 599, 644, 692, 721) | SESSION 42 : Renewable Energy Venue : <i>IEM SEMINAR HALL</i> (Paper ID: 726, 783, 845, 863, 897, 952, 953, 960) |
| | SESSION 43: Renewable Energy Venue : <i>ECE SEMINAR HALL</i> (Paper ID: 983, 991, 996, 1004, 1007 , 1011, 1023) | SESSION 44 : Next Generation Venue : <i>ISE 106B</i> (Paper ID: 419, 946, 984, 1017, 1039, 1040) |
| | SESSION 45: Bio Medical Electronics Venue : <i>MCA SEMINAR HALL</i> (Paper ID: 847, 861, 875, 886, 903, 940,1010) | |
| 3.45-4.00 PM | Tea Break | |
| 04:00-04:30 PM | Valedictory Program | |