# COPEN 10, 2017 - Program Schedule (Venue: IC&SR, IIT Madras)

## Day 1: Thursday, 7 December 2017

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8:00 – 9:00 | Registration (IC&SR Reception) | | | | | | | | | | | | | | | | | | | | |
| 9:00 – 9:40 | Inaugural Session (Auditorium) | | | | | | | | | | | | | | | | | | | | |
| 9:45 – 10:45 | **Keynote 1: Prof. Surendar K. Marya**, Centrale Nantes, France: Title: **Roadmap from Welding to Additive Manufacturing: Materials Challenges** | | | | | | | | | | | | | | | | | | | | |
| 10:45. – 11:15 | Tea Break | | | | | | | | | | | | | | | | | | | | |
| 11:20 – 12:20 | **Keynote 2: Prof. Ramagopal S,** Optics & Allied Engg. Pvt. ltd, Bangalore: **Title: Diamond Turning and its Applications** | | | | | | | | | | | | | | | | | | | | |
| 12:20 – 1:10 | **Industry Talks** | Mitutoyo India | | | | | | | | | | | | | | Millenia Technologies – Alicona | | | | | |
| 1:15 – 2:00 | Lunch Break | | | | | | | | | | | | | | | | | | | | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| **Session 1** | 117 | 408 | | | 461 | 139 | | | 239 | | | 306 | | | | 97 | | 245 | | 482 | 565 |
| | 271 | 427 | | | 301 | 147 | | | 263 | | | 345 | | | | 142 | | 300 | | 507 | 591 |
| **2:00 – 3:30** | 281 | 479 | | | 53 | 192 | | | 264 | | | 431 | | | | 217 | | 57 | | 561 | 373 |
| | 354 | | | | 115 | | | | 302 | | | | | | | 222 | | | | 482 | 613 |
| 3:30 – 3:50 | Tea Break | | | | | | | | | | | | | | | | | | | | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| **Session 2** | 104 | 227 | | | 153 | 183 | | | 367 | | | 425 | | | | 308 | | 406 | | 143 | 336 |
| | 188 | 400 | | | 166 | 185 | | | 420 | | | 549 | | | | 312 | | 465 | | 179 | 578 |
| **4:00 – 5:30** | 219 | 621 | | | 170 | 623 | | | 421 | | | 283 | | | | 316 | | 567 | | 212 | 620 |
| | 220 | | | | 176 | | | | 282 | | | | | | | 399 | | | | 221 | |
| 5:30 – 6:30 | Posters | 83 | | 114 | 120 | 137 | 152 | 163 | 172 | 175 | | 237 | 303 | 424 | 517 | 530 | | 533 | 548 | | 556 | 624 |
| 6:30 – 8:00 | Cultural Program | | | | | | | | | | | | | | | | | | | | |
| 8:00 – 9:00 | Conference Dinner | | | | | | | | | | | | | | | | | | | | |

## Day 2: Friday, 8 December 2017

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| 8:00 – 9:00 | Registration (IC&SR Reception) | | | | | | | | | | | | | | | | | | | | |
| 9:00 – 9:40 | **Keynote 3** | **Prof. Daisuke Nakamura** , Kyushu University, Japan: **Title Semiconductor nano/micro crystals for optoelectronic and laser applications** | | | | | | | | | | | | | | | | | | | |
| 9:45 – 10.25 | **Keynote 4** | **Prof. G. K. Ananthasuresh,** IISc Bangalore, India: **Title: Bistable Compliant Mechanisms: Design, Manufacture, and Applications** | | | | | | | | | | | | | | | | | | | |
| 10.30 – 10.50 | Tea Break | | | | | | | | | | | | | | | | | | | | |
| 11:00 – 11:45 | **Industry Talks** | Kistler | | | | | TVS | | | | Mahr Metrology | | | | | Interface Design Associates Pvt. | | | | Mikrotools Pte Ltd. | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| **Session 3** | 512 | 213 | | | 484 | 615 | | | 123 | | | 207 | | | | 315 | | 356 | | 504 | 563 |
| | 41 | 261 | | | 493 | 81 | | | 145 | | | 214 | | | | 337 | | 359 | | 514 | 575 |
| **11:45 – 1:15** | 108 | 525 | | | 580 | 589 | | | 171 | | | 416 | | | | 352 | | 603 | | 516 | 555 |
| | 195 | | | | 609 | | | | 178 | | | | | | | 355 | | | | 558 | |
| 1:15 – 2:00 | Lunch | | | | | | | | | | | | | | | | | | | | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| **Session 4** | 307 | 443 | | | 48 | 238 | | | 231 | | | 260 | | | | 372 | | 611 | | 38 | 519 |
| | 348 | 469 | | | 62 | 581 | | | 232 | | | 267 | | | | 412 | | 417 | | 86 | 540 |
| 2:00 – 3:30 | 391 | 573 | | | 174 | 599 | | | 234 | | | 627 | | | | 413 | | 604 | | 88 | 539 |
| | 426 | | | | 182 | | | | 247 | | | | | | | 414 | | | | 401 | |
| 3:30 – 3:50 | Tea Break | | | | | | | | | | | | | | | | | | | | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| Session 5 | 69 | 360 | | | 577 | 85 | | | 278 | | | 297 | | | | 422 | | 489 | | 56 | 105 |
| | 112 | 369 | | | 587 | 107 | | | 288 | | | 311 | | | | 430 | | 500 | | 59 | 106 |
| 4:00 – 5:30 | 246 | 486 | | | 588 | 582 | | | 290 | | | 606 | | | | 460 | | 576 | | 64 | 537 |
| | 262 | | | | 36 | | | | 296 | | | | | | | 488 | | | | 75 | |
| 5:30 – 6: 30 | **Posters** | 37 | | 68 | 126 | 134 | 154 | 169 | 223 | | | 243 | 249 | 277 | 320 | | | 396 | 456 | | 538 | |
| 6:30 – 7:30 | **Industry Talks** | Ametek – Taylor Hobson | | | Metatech Industries, Pune | | | CUMI, Chennai | | | | Grind Masters | | | | | AMTDC | | | Chennai Metco | |
| 7:30 – 8.30 | Dinner | | | | | | | | | | | | | | | | | | | | |

## Day 3: Saturday, 9 December 2017

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| 8:00 – 9:00 | Registration (IC&SR Reception) | | | | | | | | | | | | | | | | | | | | |
| 9:00 – 10.00 | **Keynote 5** | **Prof. K. (Subbu) Subramanian ,** STIMS Institute Inc., USA: Title: **Tribology as an enabler for innovation in surface generation processes** | | | | | | | | | | | | | | | | | | | |
| 10.00– 10.30 | Tea Break | | | | | | | | | | | | | | | | | | | | |
| Venue (Theme) | Auditorium (PM) | | | | Hall 1 (PM) | | | | Hall 2 (MSM) | | | | | | | Hall 3 (NMP) | | | | Hall 4 (EMT) | |
| Session 6 | 138 | 196 | | | 229 | 269 | | | 423 | | | 292 | | | | 226 | | 342 | | 353 | 419 |
| | 162 | 201 | | | 241 | 274 | | | 133 | | | 304 | | | | 321 | | 344 | | 358 | 433 |
| 10:30 – 12:30 | 167 | 515 | | | 256 | 509 | | | 284 | | | 508 | | | | 339 | | 346 | | 366 | 437 |
| | 187 | | | | 257 | 628 | | | 286 | | | 454 | | | | 340 | | 266 | | 370 | 624 |
| 12:30 – 1:30 | Lunch | | | | | | | | | | | | | | | | | | | | |
| 1:30 – 2:30 | Panel Discussion | | | | | | | | | | | | | | | | | | | | |
| 2:30 – 3:00 | Valedictory Function | | | | | | | | | | | | | | | | | | | | |

Precision Manufacturing (PM) | Multi Scale Manufacturing (MSM) | New Materials and Processing (NMP) | Emerging Manufacturing Technologies(EMT)