**IEEE Nanotechnology Council Standards Committee (NTC/SC) Meeting Minutes (Draft)**

**September 14, 2022, 02:00 - 03:00 pm UTC (10:00 - 11:00 am EDT, 04:00 - 05:00 pm CEST, 07:30 - 08:30 pm IST, 10:00 - 11:00 pm AEST)**

Recorded by Santhosh Sivasubramani

1. **Call to Order**
   1. Meeting called to order at 02:04 pm GMT/UTC
   2. Members Present during the meeting follows in item 11.
2. **Approval of Agenda**
   1. Moved by: Randy K Rannow
   2. Seconded by: Santhosh Sivasubramani
   3. No discussion
   4. Result: Unanimously approved
3. **Chair’s Remark**

[**IEEE SA Patent Policy**](https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.pdf)

* 1. Patent policy presented by Chair as a reminder of what is expected at any meeting

[**IEEE SA Copyright Policy**](https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx)

* 1. Copyright presentation shared by Chair as a reminder of what is expected at any meeting

**NTC-SC/Working Group/Subgroup Meeting Best Practices and Attendance Logging**

* 1. [IEEE e-Meetings Guide](https://ieee-sa.imeetcentral.com/p/aQAAAAAEQ0vy)
  2. Reminder that roster change requests to be sent to Secretary (e.g., name, affiliation, preferred contact email)

1. **Working group reporting schedule**
   * + 1. PAR P3155 Discussion
          1. Discussion of first kick off meeting and future meetings
          2. Difference between the voting, the non-voting, the observers? Were discussed
       2. PARs for Quantum Standardization under IEEE SA has been briefed
       3. accepting that draft par that was presented to us by montia for quantum architecture
2. **Quantum Architecture – Draft Par Acceptance**

a. Motion for the Standards Committee to approve made by Randy.

b. Seconded by Santhosh

c. Adopted by unanimous consent

1. **Active Standards Needing Renewal – IEC/TC113**

IEEE 62659-2015 - IEC/IEEE International Standard – Nanomanufacturing—Large scale manufacturing for nanoelectronics to be submitted for renewal with no major changes

1. **Ideas for new PARs**
2. consider identifying material challenges for specific types of qubits, and how to identify emerging nanomaterials to realize these materials; progress towards nanomaterial-based quantum devices are identified. Perhaps focus on closing the gap between the nanotechnology and quantum information, as well as enable research that will lead to next generation quantum devices for scalable and practical quantum applications.
3. emerging materials we have been working on with graphene magnetism for logic computations
4. **New Business**
   1. New business opportunities on mRNA, AAV Gene Therapy, Lentriviral VCN, M100: Performance Standards for Antimicrobial Susceptibility Testing ? Suggest searching ASTM site for testing standards for antimicrobial coatings
5. **Future Meetings**

i. 01/11/23 – 10 – 11 am EST

1. **Adjournment**
   1. Motion made by: Randy K Rannow
   2. Seconded by: Santhosh Sivasubramani
   3. Meeting adjourned at 03:00 pm GMT/UTC
2. **List of Attendees**

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| 1 | Santhosh Sivasubramani (IIT Hyderabad) |
| 2 | Tyler L Jaynes (Alden March Bioethics Institute at Albany Medical College) |
| 3 | Jade Pallett (Zoono Holdings Ltd) |
| 4 | Vanessa Lalitte (IEEE SA) |
| 5 | Tom Thompson (IEEE SA) P3151 |
| 6 | Randy K Rannow (Silverdraft Supercomputing) |
| 7 | Sean Rocke |