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

**July 13, 2022, 02:00 - 03:00 pm UTC (10:00 - 11:00 am EDT, 07:30 - 08:30 pm IST)**

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 13.
2. **Approval of Agenda**
   1. Moved by: Randy K Rannow
   2. Seconded by: Jerry Kolbe
   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. **Approval of Prior Meeting Minutes**
   1. Moved by: Randy K Rannow
   2. Seconded by: Santhosh Sivasubramani
   3. No discussion
   4. Result: Unanimously approved
2. **Chair’s Report from the July 2022 Joint NTC AdCom/ExCom Meeting**
   1. Discussion at NTC Ex-com was shared
   2. Coordination of special topics issue on graphene standards in the NTC Magazine
   3. IEC/TC 113 activities per Evelyn Hirt
   4. Attendance Statistics and Meeting Schedules
   5. Discussion in integrating member societies into SC activities by outreaching activities
   6. Standards education and conference presence
3. **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
4. **Vote – P3155™ - Standard for Programmable Quantum Simulator Policies & Procedures**

a. Motion for the Standards Committee to approve P 3155 PnPs made by Randy.

b. Seconded by Santhosh

c. Adopted by unanimous consent

1. **Active Standards Needing Renewal – IEC/TC113 Determination and SC Vote**

IEEE 62659-2015 - IEC/IEEE International Standard – Nanomanufacturing—Large scale manufacturing for nanoelectronics

If the Standards Committee decides that a standard should be withdrawn, a SA ballot for withdrawal must be done (see Clause 9.2 of the Standards Board Operations Manual).

**Randy made a motion to table it until september and Santhosh seconded it and adopted with unanimous consent**

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. 09/14/22 – 10 – 11 am EDT

ii. 11/16/22 – 10 – 11 am EST

iii. 01/11/23 – 10 – 11 am EST

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

|  |  |
| --- | --- |
| 1 | Santhosh Sivasubramani (IIT Hyderabad) |
| 2 | Tyler L Jaynes (Alden March Bioethics Institute at Albany Medical College) |
| 3 | Jade Pallett |
| 4 | Yaw Obeng (TC113) |
| 5 | Jerry Kolbe (Murata) |
| 6 | Tom Thompson (IEEE SA) P3151 |
| 7 | Randy K Rannow (Silverdraft Supercomputing) |
| 8 | Allen C. Chen (IES Standards TC Chair) |
|  |  |