

## IEEE IMS TC 34 "NANOTECHNOLOGY IN INSTRUMENTATION AND MEASUREMENT"

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TC34 officers: Aimé Lay-Ekuakille (chair, Italy), Cyndi Harnett (deputy-chair, USA), Olfa Kanoun (deputy-chair, Germany), Marco Carminati (Secretary, Italy)

Members: Helen Asemota (Jamaica), Diego Caratelli (The Netherlands), Sergio Casciaro (Italy), Tamer Elzayyat (Egypt), Janusz Smulko (Poland), Hiram Heredin Ponce (Mexico), Ramiro Velazquez (Mexico), Fabrizio Spano (Switzerland), Alessandro Massaro (Italy)

### 1. *Status of all standards developed or maintained by your committee*

None

### 2. *Updating of all activities reports*

The TC34 has planned a 2021 conference (Nanofim) with the technical co-sponsorship of IEEE IMS and IEEE Nanotechnology Council. It is set from 25 to 26 of next November 2021 to be held in Opole (Poland).

### 3. *Future standardization work*

Temporally suspended

### 4. *Need for tools or support from IMS*

None for now.

### 5. *Interaction with other societies in IEEE*

TC34 has ties with IEEE Nanotechnology Council which is technical co-sponsor of nanofim event.  
IEEE EMBS Wearable Biomedical Sensors and Systems Technical Committee  
IEEE Sensors Council chapter of Italian IEEE section

### 6. *Existing support being provided by the committee to conferences*

TC34 is active in IEEE Memea and IEEE I2MTC

### 7. *Existing support being provided by the committee to publications (IMS Magazine and TIM)*

IEEE IM Magazine is running a special issue regarding 2019 nanofim.

### 8. *Industry links*

Echolight Spa (Italy) for nano contrast agents  
Roam 2000 Srl (Italy) for nanomedicine and rehabilitation

*9. Succession plans*

None

*10. Development of initiatives*

New members and school to be promoted. Because of covid-19, it was not possible to hold the annual conference and the planned summer school. There is a plan for next year conference in Poland, and a location of the summer school is also envisaged.

*11. Main concerns and possible solutions*

None

*12. New ideas*

The video of the TC will be recorded during the next nanofim.

On behalf of TC 34 members

Aimé Lay-Ekuakille