



NIST – SIM Collaborations (2018-2019)

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International and Academic
Affairs Office

National Institute of Standards
and Technology

Santa Cruz, Bolivia (26
September 2019)

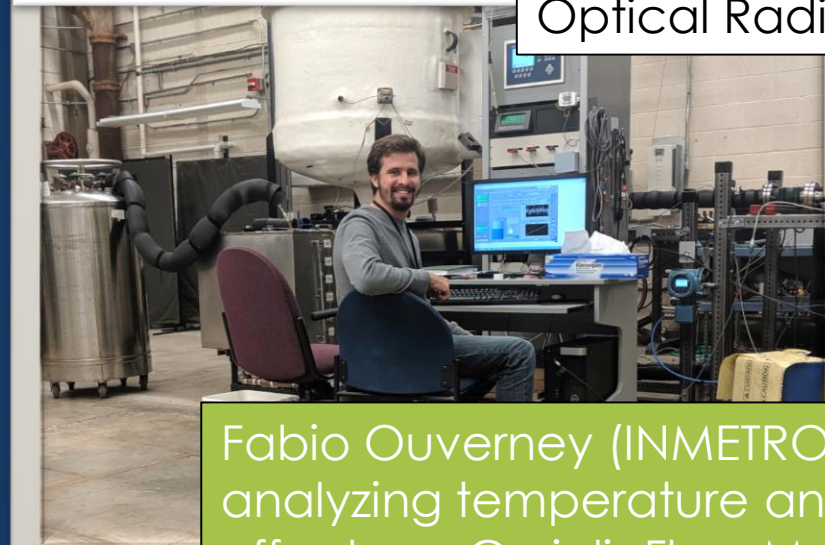
Guest Researchers

Partnering NMI/DI	Research Area(s)
CENAM (Mexico)	Additive Manufacturing; Dimensional Metrology
IBMETRO (Bolivia)	Nanophotonic Thermometry
INMETRO (Brazil)	Cryptography; Flow; Microbial Metrology
INM (Colombia)	Thermometry
INN (Chile)	Material Science (Biodegradable Plastics)
INTI (Argentina)	Food Safety (Mycotoxins)
LACOMET-ICE (Costa Rica)	Photometry; Fiber Optics
LATU-ANTEL (Uruguay)	Internet of Things (IoT)

Daniel Garcia (CENAM) working with NIST Staff on its Additive Manufacturing Metrology Testbed



Heyleen Villalta (ICE) w/ Yuqin Zong of NIST's Optical Radiation Group



Fabio Ouverney (INMETRO) analyzing temperature and pressure effects on Coriolis Flow Meters.

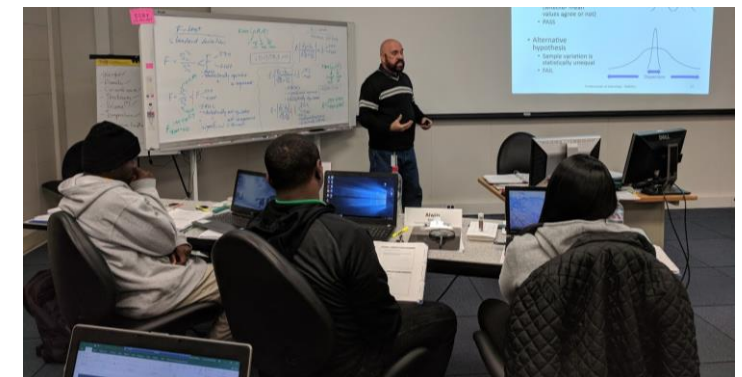
Grant Funding

- NIST awarded funds to NCSLI and BIPM in 2019 to support SIM training opportunities:
 - *Optimizing the CIPM MRA – the KCDB 2.0*
 - *NCSL International – Technical Exchange and Annual Workshop & Symposium*



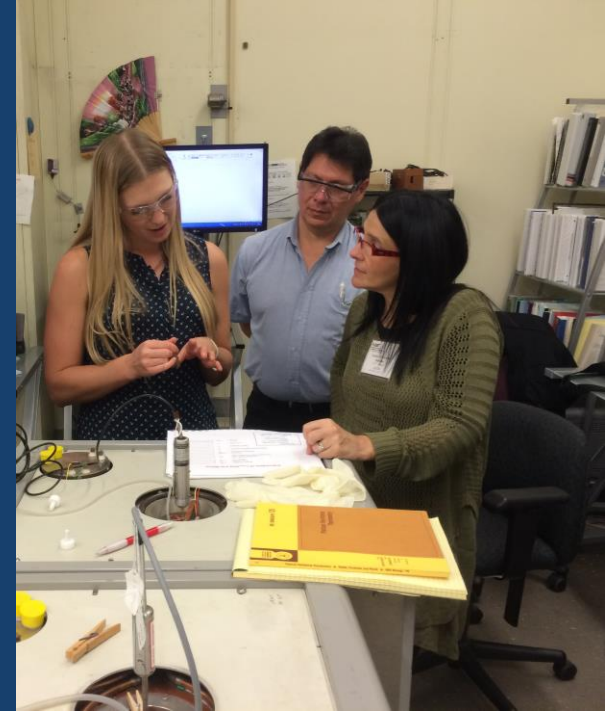
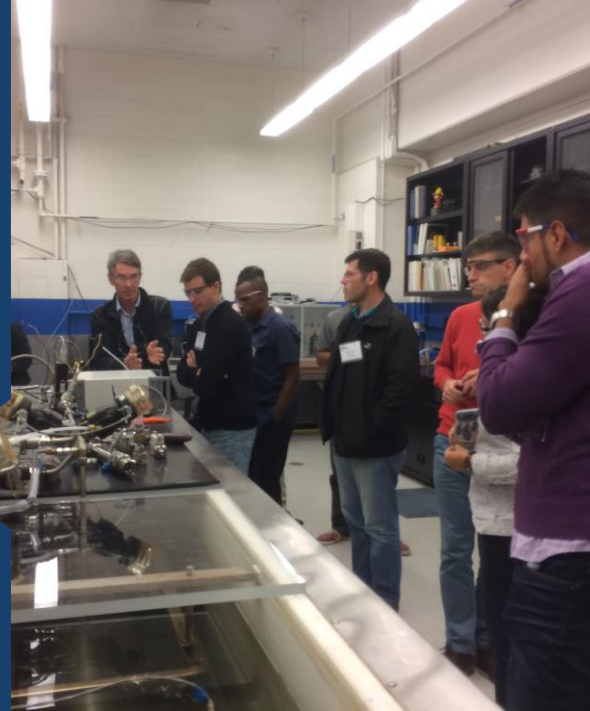
NIST organized Trainings

- *Fundamentals of Metrology* (March 2019)
 - *10 Students from 10 SIM Affiliated NMIs*
- Acoustics, Ultrasound, and Vibration Workshop (July 2019)
 - 13 Members of MWG 9 participated and discussed research priorities and areas of potential collaboration
- **Upcoming workshops/trainings:**
- NIST Food Safety Workshop (28 – 31 October 2019)
 - *IAAO supporting 7 SIM Attendees*
- Fundamentals of Metrology (Dates TBD; Spring 2019)
 - Application process to be circulated among SIM members Winter of 2019
- *Additional trainings in planning for 2020*



NIST-SIM Engagement Opportunity (2019-2020)

- Proposals now being accepted to support Guest Researcher exchanges, SRM acquisitions and Calibrations, among other types of technical cooperation
- Deadline to apply is **11 October 2019**
- Email – andrew.conn@nist.gov



NIST Cybersecurity Framework

- In 2019 the OAS, in partnership with Amazon Web Services, released a white paper for the Western Hemisphere highlighting cybersecurity concepts and threat mitigating strategies based on NIST's Cybersecurity Framework.
- NIST and the OAS will be seeking to broaden awareness of cybersecurity issues through the concepts outlined in the NIST Cybersecurity Framework.
 - *Mexico event and Webinar*
 - *Cybersecurity Risk Management Conference (Spring 2020, Dates TBD)*
- The Cybersecurity Framework is currently available in Spanish and Portuguese.



Thank you!



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