



**SIM
METROLOGY
SCHOOL**


SIM METROLOGY SCHOOL

Lic. Lucas Di Lillo


SIM General Assembly, Panamá | November 22st, 2024

Organized by

INM Instituto Nacional
de Metrología
de Colombia



One of the critical goals of the Sistema Interamericano de Metrologia is to support the development of the National Metrology Institutes (NMIs) and Designated Institutes (DIs) in the SIM region, particularly through increasing the technical capabilities at our laboratories. Toward that end and thanks to the grant awarded by NIST, the SIM Technical Committee (TC) organized the 3rd SIM Metrology School (SIM SCHOOL) in 2024.





Metrology
School

Petrópolis, Rio de Janeiro, Brazil
December 9 - 16, 2009




NIST October 28 - November 1, 2013

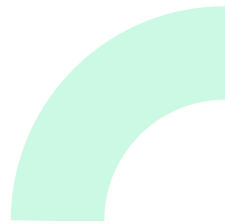


	Monday	Tuesday	Wednesday	Thursday	Friday
08:30	International Metrology: Organisations,	MWG1/CCEM	MWG12/QSTF	MWG11/Legal Metrology	MWG5/CCTF
08:45					
09:00					
09:15	Traceability, Calibrations, KCs, KCDB	MWG1/CCEM	MWG14/M4DT	MWG10/Flow & volume	MWG5/CCTF
09:30					
09:45					
10:00	coffee break				
10:15	Quality infrastructure and NMI role	MWG 2/CCPR	MWG3/CCT	MWG 4/CCL	MWG12/CCU
10:30					
10:45					
11:00	SIM Org - structure, role, history, projects accomplishments	MWG 2/CCPR	MWG3/CCT	MWG 4/CCL	MWG12/CCU
11:15					
11:30					
11:45 to 13:00	lunch break				
13:15	MWG6/CCRI	MWG7/CCM	MWG8/CCQM	MWG9/CCAUV	Discussion on Metrology Future
13:30					
13:45					
14:00	MWG6/CCRI	MWG7/CCM	MWG8/CCQM	MWG9/CCAUV	Industry presentation
14:15					
14:30					
14:45 to 15:00	coffee break				
15:00 to 15:30	Lab Tour	Lab Tour	Lab Tour	Lab Tour	Lab Tour
15:30 to 16:15	Lab Tour	Lab Tour	Lab Tour	Lab Tour	Lab Tour
16:30 to 16:45	break				
16:45 to 17:15	Lab Tour	Lab Tour	Lab Tour	Lab Tour	Lab Tour


DAY	SCHEDULE	GROUPS					
		A	B	C	D	E	F
	15:00 - 15:30	Power and Energy Quality	Pressure	Mass	Force	Volume	Torque
12-Aug	15:35 - 16:05	Pressure	Mass	Force	Volume	Torque	Power and Energy Quality
	16:10 - 16:40	Mass	Force	Volume	Torque	Power and Energy Quality	Pressure
	16:45 - 17:15	Force	Volume	Torque	Power and Energy Quality	Pressure	Mass
13-Aug	15:00 - 15:30	Volume	Torque	Power and Energy Quality	Pressure	Mass	Force
	15:35 - 16:05	Torque	Power and Energy Quality	Pressure	Mass	Force	Volume
	16:10 - 16:40	Hardness	Time and Frequency	Gas Flow	Density	Viscosity	Direct Current and Alternating Current
	16:45 - 17:15	Time and Frequency	Gas Flow	Density	Viscosity	Direct Current and Alternating Current	Hardness
14-Aug	15:00 - 15:30	Gas Flow	Density	Viscosity	Direct Current and Alternating Current	Hardness	Time and Frequency
	15:35 - 16:05	Density	Viscosity	Direct Current and Alternating Current	Hardness	Time and Frequency	Gas Flow
	16:10 - 16:40	Viscosity	Direct Current and Alternating Current	Hardness	Time and Frequency	Gas Flow	Density
	16:45 - 17:15	Direct Current and Alternating Current	Hardness	Time and Frequency	Gas Flow	Density	Viscosity
15-Aug	15:00 - 15:30	Chemistry	Length	Temperature and Humidity			
	15:35 - 16:05	Length	Temperature and Humidity	Chemistry			
	16:10 - 16:40	Temperature and Humidity	Chemistry	Length			



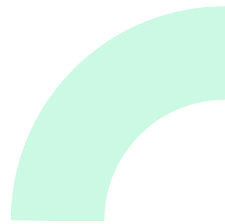
SPEAKER	AFFILIATION
Chingis Kuanbayev	BIPM
Lucas Di Lillo	INTI
Javier Arias	CENAMEP
Lisa Karam	NIST
Carlos Matamoros	CENAMEP
Marina Gertsvolf	NRC
Andrea Peruzzi	NRC
Juan Carlos Sanchez	INMETRO
Roberto Arias	CENAMEP
Daniel Sawyer	NIST
Elizabeth Ferreida	LATU
Ricardo Sanchez	INACAL
Lizbeth Laureano Perez	NIST
Claudia Santo	SIM
Brian Calderon	LACOMET
Triantafillo Louloulas	NRC
Damien Prescod	BNSI
Fernando Andres	LACOMET







Activity post-SIM SCHOOL activity: A competition among the students to identify 20 winners who will be awarded 2-week internship opportunities to be taking place until the end of 2025.

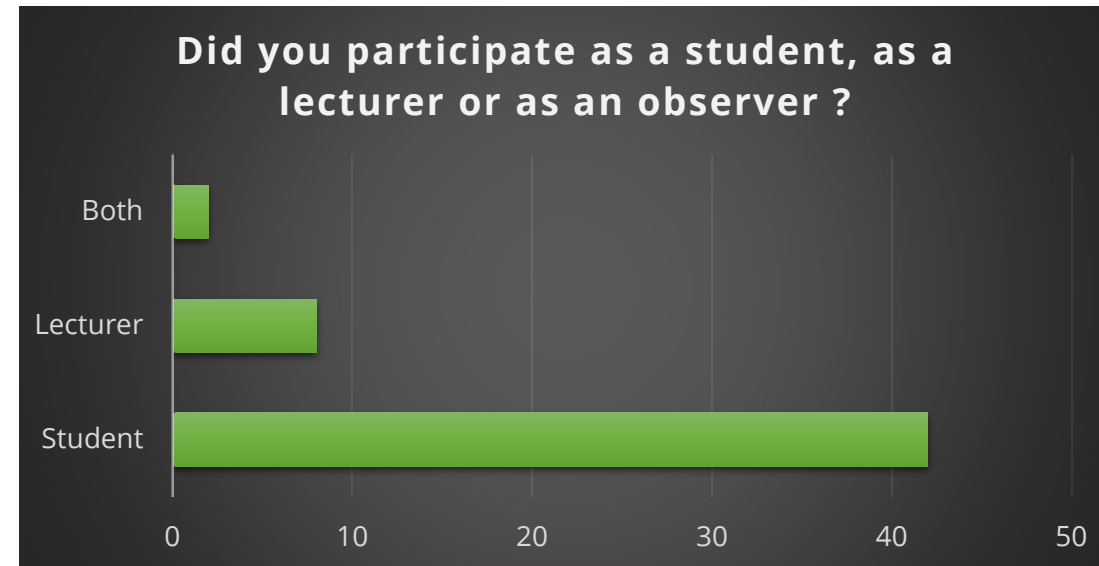




Number of Participants: 88

- Registered Students: 71
- Lecturers: 17

Number of Survey Responders: 52



How long have you been working at a National Metrology Institute or a Designated Institute?

more than 20 years

10-20 years

5-10 years

0-5 years

0 2 4 6 8 10 12 14 16 18

Lectures

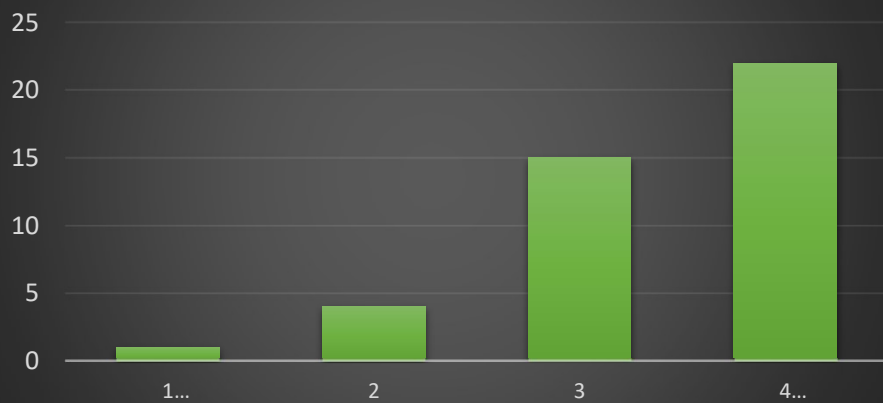
Did you find the school useful for your work?



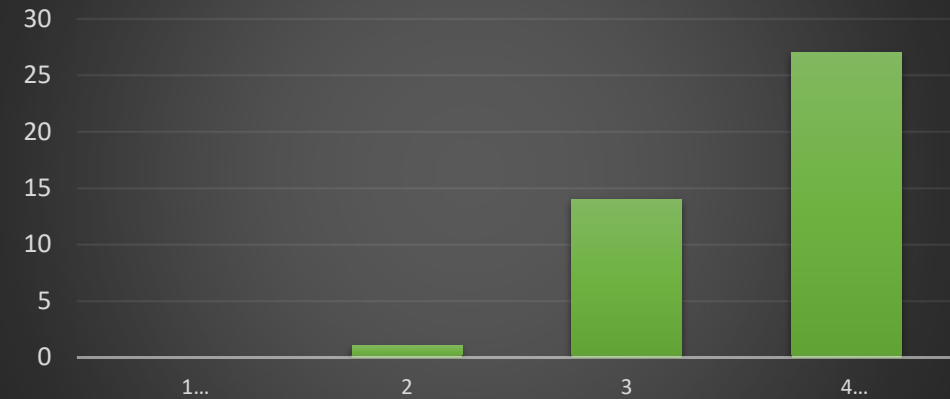
Was the scope of lecture topics relevant to your interests?



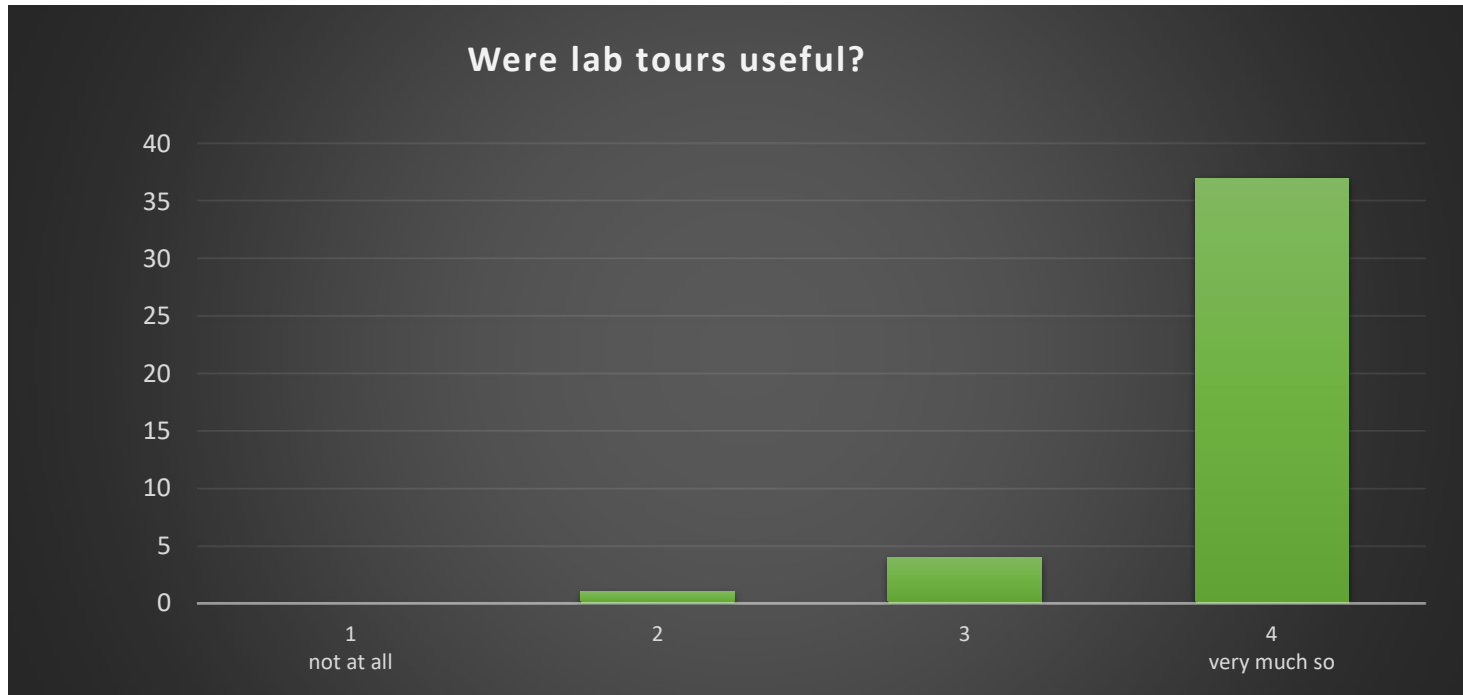
Was the length of the lectures adequate?



Was the quality of the lectures satisfactory?

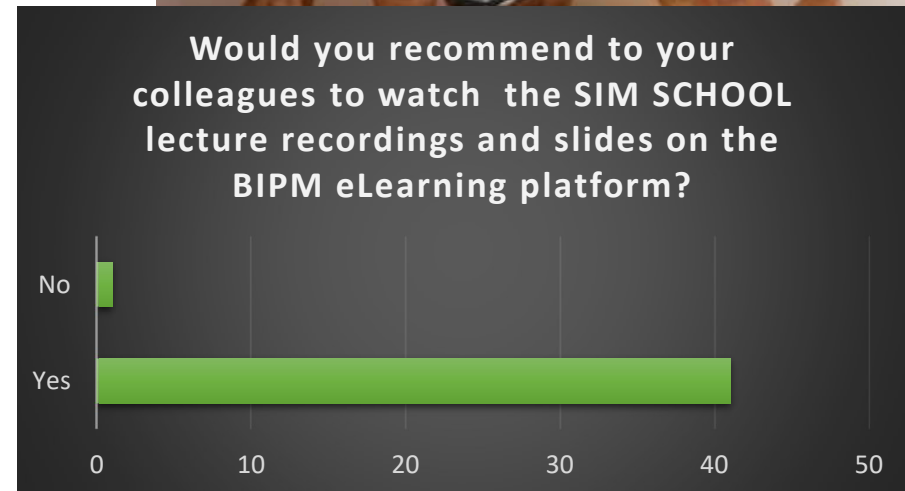
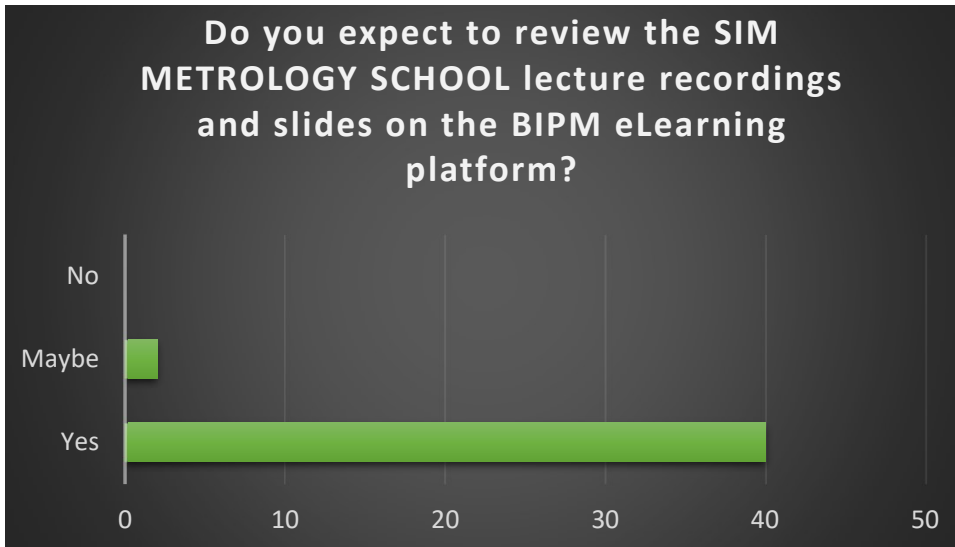


Laboratory Tours



SIM joined e-Learning platform with BIPM (<https://elearning.bipm.org/>) March 2023

- Supports development of measurement capabilities and QI
- 17 courses from uncertainty estimations to CMC submissions
- >800 registered users from all 6 RMOs



Thanks.



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Follow us on:

-  facebook.com/metrosim
-  youtube.com/simmetrology7958
-  [www.sim-metrología.org](http://www.sim-metrologia.org)

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