



# *World Metrology Day 20 May 2021*

*About : “Metrology for All”  
Platform, Contributors, Sponsor*

***Tamador Salih Saeed***

***Owner of “Metrology for All” platform***



*20 May 2021*

# *About Metrology For All*



## *Idea :*

- I like metrology. Also I like transfer knowledge to others.
- My work in SSMO as a physicist gained me a knowledge of the role of the importance of accurate measurements in our daily lives.
- ***Since 2012*** I have a dream of establish a society of volunteer researchers in the field of metrology to help others to join this field. I always believe that working with groups gives more beneficial results
- My idea is to gather researchers in the field of metrology and related activities, focusing in particular in Africa and developing countries.

# *Carrying into Action*      *JUNE 2020*



- The implementation of the “Metrology for All” platform emerged out as a result of entirely family effort. I have suggested the idea of creating the platform to my family. Fortunately, each one of them was so enthusiastic, and wants to participate in this great work. Firstly, by posting the idea in Facebook page, Twitter, and LinkedIn. Then we took another step further by creating the website of the platform.
- As a result:
  1. My son Ahmed designed the platform website.
  2. My little child Izeldeen designed the logo of the platform. For both of my children this was the first voluntary mission.

# METROLOGY FOR ALL



## Home

**Everyone Has Time To Help Or Volunteer, We Just Don't Make Time For It.**

### Be a Volunteer

If you are interested to volunteer for a "metrology for all" program you can email us with your CV including a brief paragraph detailing: Specific information on courses or training you have delivered, or other activities you have organized, and what topics, activities or courses you are interested in delivering.



***We lunched a Platform “Metrology for All” to increase awareness of metrology, support and encourage people who are interested in this field, especially in Africa and developing countries. The activities within this platform are totally voluntary.***

Fascinated by Einstein’s quote

***“Only a life lived for others is worth living”.***

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# GOALS



## *Some of the Goals are:*

- To increase awareness of metrology.
- Encouraging scientists' women to join research in the field of metrology.
- Conducting periodic training workshops and voluntary training programs in African countries.
- To encourage writing and publishing simplified books in metrology, distributing to schools and universities.
- To communicate with national institutes of metrology in African countries seeking voluntarily training programs.
- Adopting joint scientific research published in scientific journals.
- To assist those who wish to conduct research, publishing scientific articles and participating in conferences.



## *Vision*

- We achieve our aims through the passion and hard work of our team of volunteer scientists.
- Among the volunteers, are fantastic teams of Physicists, Engineers, and Chemists in Measurement and Calibration laboratories in developing countries, alongside with scientists from non-developing countries working in the field.
- To disseminate the concept of volunteering work in this field and encourage others to participate in it.

# *Two of Achievements*



## *1. Women in Metrology Event:*

On the occasion of **International Women's Day 8 March 2021**, “Metrology for All” organized an event to select a number of women in Arab Region working in the field of metrology, with the purpose of honoring them and encouraging others to join this field.

- The “Women in Metrology” poster was published in many website pages.
- OWSD (The Organization for Women in Science for the Developing World) shared, and advertised this event on their channels.

# Achievements



## "Metrology for All"

### International Women's Day 8 March 2021

**Women in Metrology**

On the occasion of **International Women's Day 8 March 2021**, "Metrology for All" organised an event to select a number of women working in the field of metrology in Arab Region, with the purpose of honoring them and encouraging others to enter this field.

*"Metrology for all" works to increase awareness of metrology with a main purpose of supporting women in metrology in Africa and developing countries. Metrology is the science of measurement and its application includes all theoretical and practical aspects of measurement" with focus on countries lagging science and technology. We achieve our aims through the passion and hard work of our team of volunteer scientists. Our volunteer scientists comprise of Physicists, Engineers, and Chemists in Measurement and Calibration laboratories in developing countries, along with scientists from non-developing countries works in Metrology, who enthusiastic about promoting and supporting metrology, and to spread the concept of volunteering work in this field and encourage others to participate in it.*

**Organizer: Tamador Salih Saeed** **Sudan**

- ❑ Owner of "Metrology for All" platform.
- ❑ One of the Experts on list: Arab Experts at Industrial Development and Mining Organization (AIDMO).
- ❑ Physicist at Measurement and Calibration laboratories, SSMO.
- ❑ 2017-2021 Ph.D. student in Metrology: Accurate Calibration and Measurements of Electrical Quantities, University of Khartoum.
- ❑ OWSD: Full Member.

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**Prof. Dr. Noha Emad Mahmoud Khaleel** **Egypt**



- ❑ Head of National Institute of Standards (NIS), Egypt.
- ❑ Chair of quality system committee for AFRIMETS TCQS. Vice Chair of Ionizing Radiation Committee for AFRIMETS TCRI.
- ❑ Member of delegation of African Metrology Organization AFRIMETS to the International committee of Regional Metrology Organization and the International Bureau of weights and Measure ICRB. Member of the Executive committee of the African Metrology Organization EXCO AFRIMETS.
- ❑ 26 different scientific papers in the field of ionizing radiation measurements published in prestigious international and local scientific journals.

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**Dr. Hala Abd El-Megeed** **Egypt**



- ❑ Ph. D. in Electrical Engineering, Assoc. Prof. in Metrology of Electrical and High Voltage Measurements.
- ❑ Head of National Proficiency Testing Lab., Head of High Voltage Metrology Lab, Former Responsible for the DC Primary Standard (JVS), National Institute of Standards (NIS) Egypt.
- ❑ One of the Experts on list: Arab Experts at Industrial Development and Mining Organization (AIDMO).
- ❑ Head of the Intercomparison Group, ARAMET.
- ❑ 30 research papers published in international journals.

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**Prof. Dr. Eng. Rasha Sayed Attiya** **Egypt**



- ❑ Prof. Dr. Eng. at the National Institute of Standards (NIS), Master degree in Electrical Engineering, Ain Shams University.
- ❑ Supervisor of NIS Training Affairs.
- ❑ 29 papers published in international journals.
- ❑ Head of Electricity committee at ARAMET.

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**Eng. Souad Bouaziz** **Tunisia**



- ❑ Head of the Arab Program for Scientific and Industrial Metrology (ARMET), ADIMO.
- ❑ Director of Legal Metrology at the National Metrology Agency, Tunisia.
- ❑ Electrical Engineer Specialist in Metrology & measurement Systems.
- ❑ General Engineer and Director at the National Metrology Agency At the Ministry of Trade and Export Development.

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**Hanan Abd Al-Moudarris** **Iraq**



- ❑ Head of Metrology Department, Central Organization for Standardization and Quality Control / Metrology Department, Iraq.
- ❑ Experience more than 30 year in metrology and quality.
- ❑ MSc in Health Physics Baghdad University.
- ❑ Supervisor for many projects. In Side ITB training program.

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**Mona Mohammed Ali** **Sudan**



- ❑ Head of Measurement and Calibration laboratories, SSMO.
- ❑ MSc in Chemistry, University of Khartoum.
- ❑ More than 25 year at the Department of Measurement & Calibration, SSMO.
- ❑ Member at Arab Program for Scientific and Industrial Metrology (ARMET), ADIMO.

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**Jawaher El-Tuweity** **Yemen**



- ❑ Auditor & Manager of Metrology Department, (YSMO)
- ❑ 2017-2021 Ph.D. candidate Ionizing Radiation Metrology, Medical Physics & Radiation Protection Ibn - UTT-Morocco.
- ❑ Member of GSO committees Metrology & Medical Devices and Supplies TCA & TC11. O-Member of ISO committees ISO/TC -48, 12,213,19 O-Member of ISO/TC 85 – Nuclear energy, nuclear technologies, and radiological protection.

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**Eng. Sahar Khiri** **Sudan**



- ❑ Head of medical device calibration lab, Measurement and Calibration laboratories, SSMO.
- ❑ Master in biomedical engineering, Sudan University of science and technology.
- ❑ Member in measurement and calibration committee.
- ❑ Member in registration of medical device committee.

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*Many thanks to OWSD for sharing, and advertising this event on their channels.*





ORGANIZATION FOR WOMEN IN SCIENCE FOR THE DEVELOPING WORLD  
 International Union of Pure and Applied Chemistry  
 International Union of Pure and Applied Physics

- A number of people interested in metrology contacted us and were enthusiastic about the platform's programs. They applied to be volunteers serving the platform's activities in their fields.
- The Fluke Corporation contacted us (as the company supports such activities) and requested an opportunity to honor those women from its side, by organizing a special training course for them.
- Consequently, The Fluke has offered to sponsor all the "Metrology for All" future activities



## 2. *Preparing to World Metrology Day 2021*



- In addition to the volunteer team, we approached several international organizations to contribute in platforms event WMD 2021, we got a great response from :
  - 1. Dr. Martin Milton the director of the BIPM showed great interest in our platform. In fact, he singled out the platform with a link to his message on the World Day of Metrology 2021. That, was a huge event to us.
  - 2. PTB Department for International Cooperation reacted positively with platform, and kindly contributed in the program. Their contribution will continue in Future plans, as they promised.

# About : Contributor and Sponsor



- The PTB Is One Of Main Contributors for the platform through the PTBs Department for INTERNATIONAL COOPERATION
- The Physikalisch-Technische Bundesanstalt (PTB), the National Metrology Institute of Germany has existed for over 130 years. it is a global player in the world of metrology.

<https://www.ptb.de/cms/en.html>



- The Fluke Corporation is sponsored all the platform activities.

Fluke Corporation is the world leader in professional electronic test tools and software for measuring and condition monitoring. Fluke tools are known for portability, safety, ease-of-use, accuracy and rigid standards of quality.

<https://www.fluke.com/en>

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# World Metrology Day 2021 - Live Webinar



- Celebrating the World Metrology Day 2021 will be the second great activity. The “metrology for all” platform arranged an exciting program. The volunteers’ team will present different subjects that were carefully chosen to fit the theme of this year logo: “Measurement for Health”. With contribution of PTB and sponsored by Fluke, we will discuss the importance of metrology in health application.

World Metrology Day



Bureau  
International des  
Poids et  
Mesures



20 May 2021  
[www.worldmetrologyday.org](http://www.worldmetrologyday.org)

# World Metrology Day 2021

- “Metrology for All” WMD 2021 event has been published on the World Metrology Day website at <https://www.worldmetrologyday.org/events.html#MFA>

metrologia.org/

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## Italy (INRiM)

Posted: 2021-05-17 @ 10:35 UTC+2

 **2021 World Metrology Day in Italy**

On 20 May INRiM will celebrate World Metrology Day by showing its research in the framework of health with a series of events.

The celebrations will start in the morning with the Conference “INRiM: present and future of metrology for health”, where the researchers will present and discuss the work INRiM is carrying out with its stakeholders.

In the afternoon, two Workshops will be organized:

- “Health and Metrology: a journey through diagnostics and therapeutic techniques” and
- “Health and Metrology: a journey through food safety, virus (SARS-CoV-2) and advanced microscopy”.

INRiM’s research will be presented and a debate will take place with the participating scientists. At the end of the day, a live social event is the occasion to present the strong bond between health and metrology and the recent results obtained in that research field.

On 19 May, a preview will be organized for schools and universities to engage students of all ages.

Download the detailed programme for 19th May: [Click here](#)


Download the detailed programme for 20th May: [Click here](#)

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## Metrology For All (MFA)

Posted: 2021-05-17 @ 11:50 UTC+2

 **2021 “Metrology for All” Webinar**

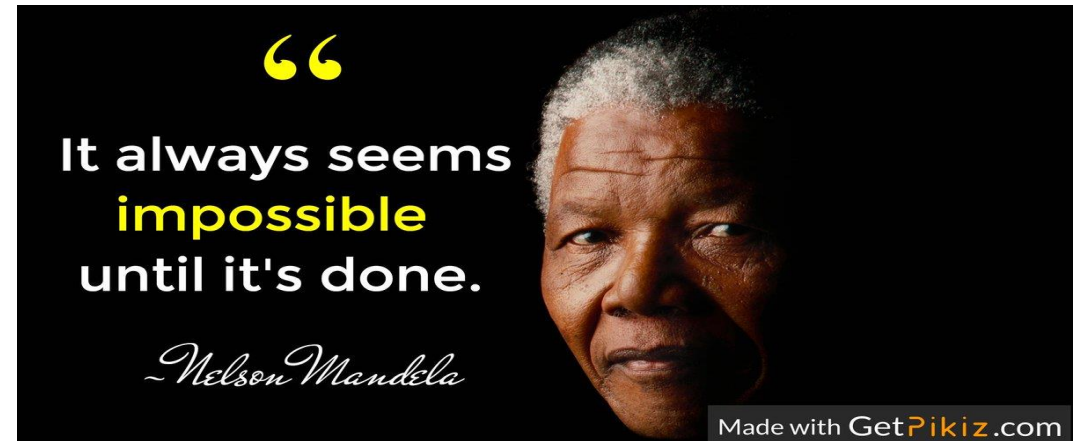
On the occasion of World metrology Day on 20 May 2021, the “Metrology for All” platform has arranged an exciting program. The team of volunteers will participate in several activities during our World Metrology Day 2021 Live Webinar!

Join the Metrology For All live Webinar on 20 May by [clicking this link](#).

Session 1 in Arabic | 12:00 - 2:00 PM  
Session 2 in English | 2:30 - 4:00 PM (GMT +2)

## *A Fantastic Team:*

- This achievement wouldn't have been possible without my first volunteer team: My wonderful Family:
- Omer, Manal, Ahmed, and Izeldeen.  
They offered continuous support every step of the way and for that I'm very grateful and proud of them.



# *Future plans*



*What's Next ?*

**More Programs to come, following our website**

**[www.metrologyforall.com](http://www.metrologyforall.com)**

*and Pages*   

*Any questions about the platform, how to join our volunteers network, and request for any help kindly contact us.*

**Contact:**

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***Thank you very much for your attention***