

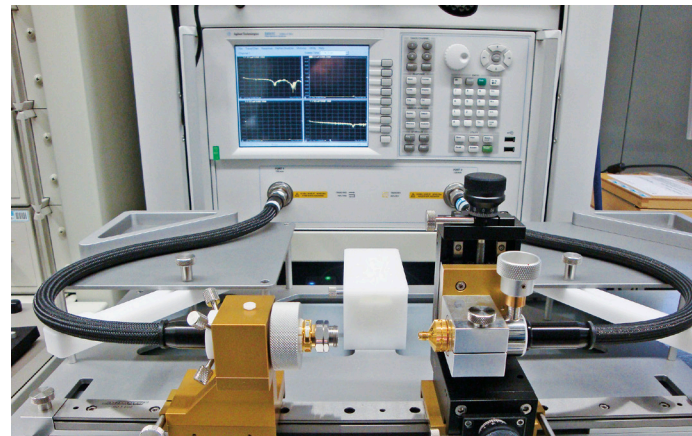


## Metrology course

# VNA Tools training course (held in Austin TX, USA)

*VNA Tools is a free software developed by METAS for measurements with the Vector Network Analyzer (VNA). The software facilitates the tasks of evaluating measurement uncertainty in compliance with the ISO-GUM and justifying metrological traceability. The software is available for download at [www.metas.ch/vnatools](http://www.metas.ch/vnatools). The three day course provides a practical and hands-on lesson with this superior and versatile software.*

<b>Date</b>	October 18–20, 2022
<b>Location</b>	National Instruments Corporation (NI) Austin, TX 78759 USA
<b>Language</b>	The course will be given in English.
<b>Target audience</b>	Engineers, scientists, technicians and students in metrology, calibration, research and production. Anyone who is required to perform accurate S-parameter measurements and to demonstrate metrological traceability.
<b>Content</b>	<p>The training has a focus on practical usage of the software. Participants bring a laptop to the course and will be guided in the use of VNA Tools through the different steps of a VNA measurement. This covers interaction with the VNA, data taking, VNA calibration, VNA error correction, data visualization, data export, evaluation of uncertainty contributions, uncertainty budget and more.</p> <p>The course however goes beyond a tutorial in software usage. It touches a wide range of conceptual aspects related to VNA Tools and relevant for the quality of VNA measurements in general, just to name a few.</p>
<b>Cost per person</b>	USD 3,500.00 (standard course fee) USD 1,050.00 (for participants from academia with support letter from institution or proof of student card, number of seats limited)



**Registration** The number of participants is limited to 16. Registration by mail, at least one month before the course at [sekretariat@metas.ch](mailto:sekretariat@metas.ch).

METAS reserves the right to cancel the course if the minimum number of participants is not reached.

Registrations are final and binding but it is possible to appoint a replacement if unable to attend. The fee is also due in case of no-show, drop out of the training or cancellation on the part of the attendee.

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