



Ilia State University



Facts and Figures

- Established in 2006 as a merger of several institutions
- 300 Professors and over 1000 researchers and invited teachers
- 4 Schools
- 16046 Students
- 23 Undergraduate (BA) and 49 Graduate (MA, PhD) Programs
- Around 30 Research Institutes and Centers
- No. 1 Research university in South Caucasus, according to SCimago Institutions Rankings
- No. 1 choice in number of study fields among Georgian freshmen since 2015





Grants & Development

- 1st grant holder in TEMPUS from Georgia. Partner in 27 Tempus projects, grant holder of 2 projects
- 15 Erasmus + CBHE projects, 2 as grant holder/coordinating university
- 2 funded partnerships under FP7
- 2 successful projects under Horizon 2020
- 1 Jean Monnet Network Project & 1 Jean Monnet Chair
- More than 70 ongoing international grants
- Income from international grants during 2006-2018: Over 30 million GEL



Industrial Cooperation and Creative Engineering Education based on Remote Engineering and Virtual Instrumentation (iCo-op) N530278-TEMPUS-1-2012-1-DE-TEMPUS-JPHES

Learning Modules

Renewable energy Module

National Instruments ELVIS Module

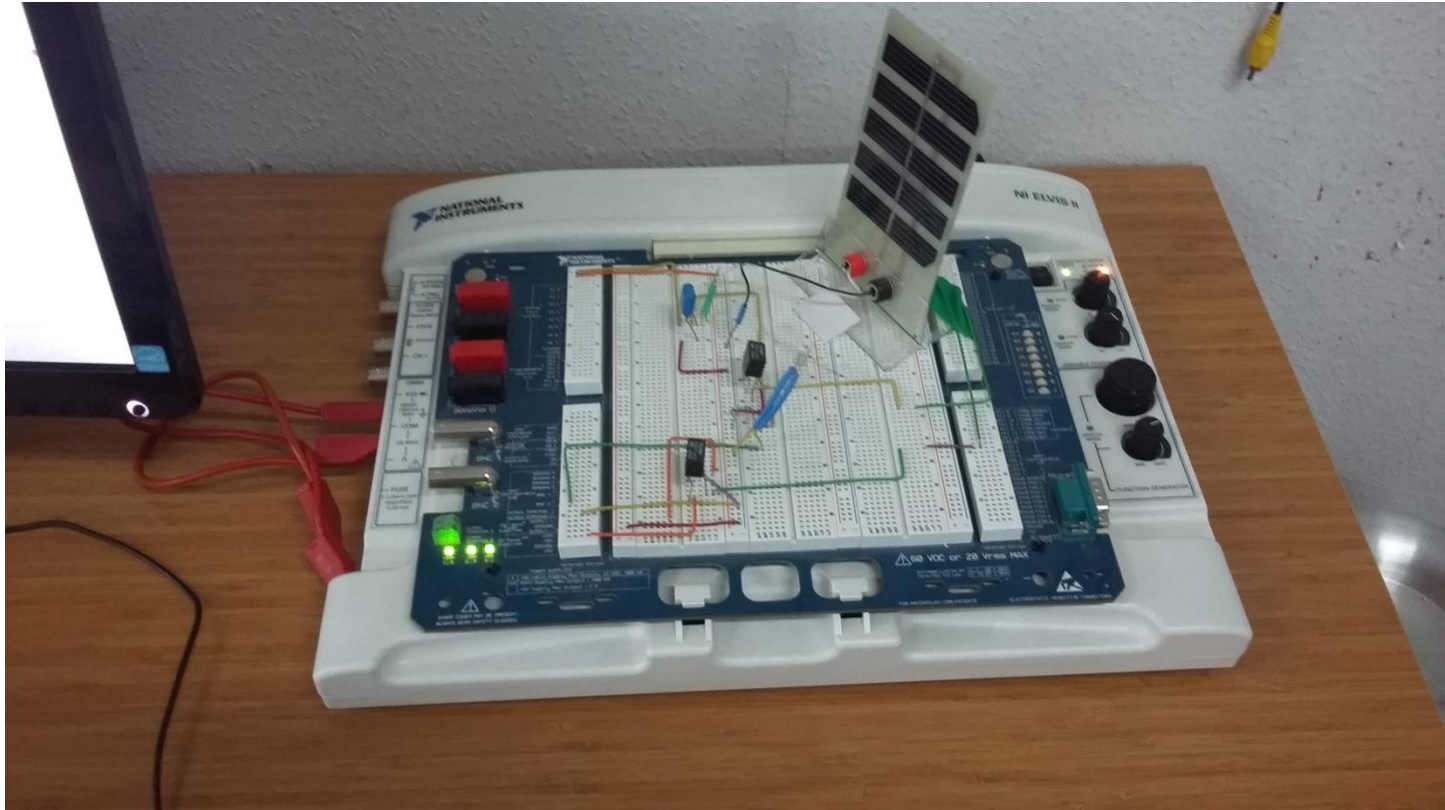
FPGA Module

Intellectual property Module

Learning Modules in Georgian language



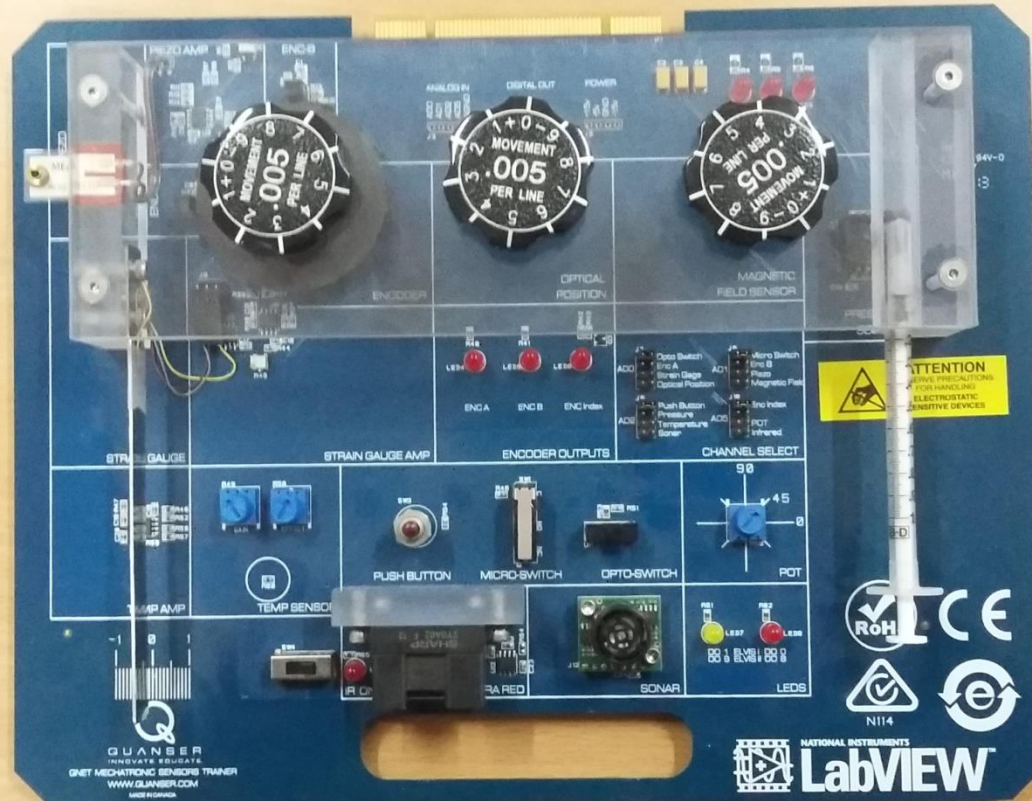
National Instruments ELVIS II apparatus with solar cell testing proto board installed



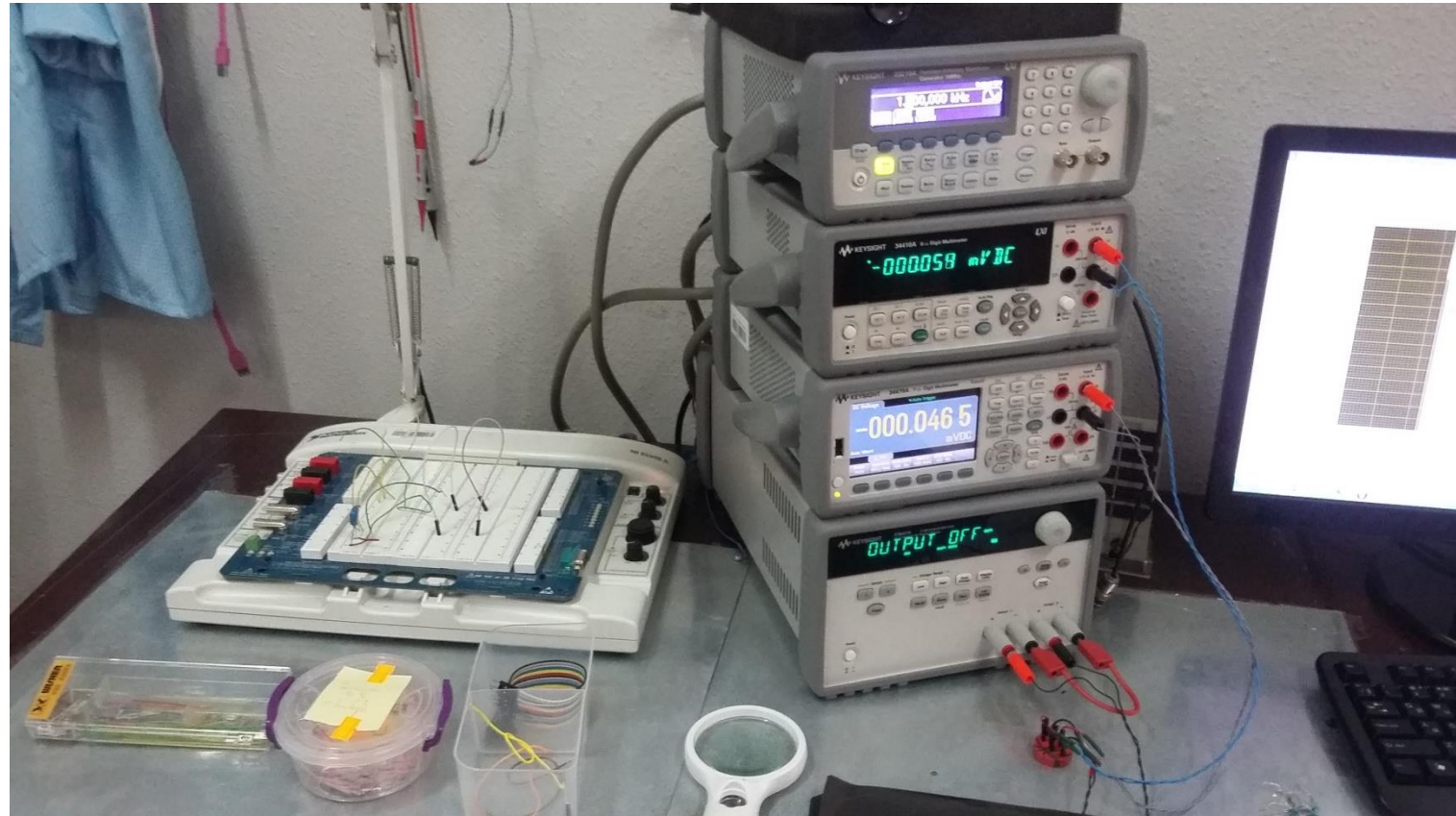
EMONA board for Energy conversion device study



QUANSER board for sensors study



ELVIS II apparatus with additional precise measuring devices



Financing of related learning

2018 **Modernization of Environment Protection Studies Programmes for Armenia and Georgia**, Erasmus KA2, Capacity Building in Higher Education, 598232-EPP-1-2018-1-IT-EPPKA2-CBHE-JP

2012-2015 **Industrial Cooperation and Creative Engineering Education based on Remote Engineering and Virtual Instrumentation**, TEMPUS, Capacity Building in Higher Education
530278-TEMPUS-1-2012-1-DE-TEMPUS-JPHES

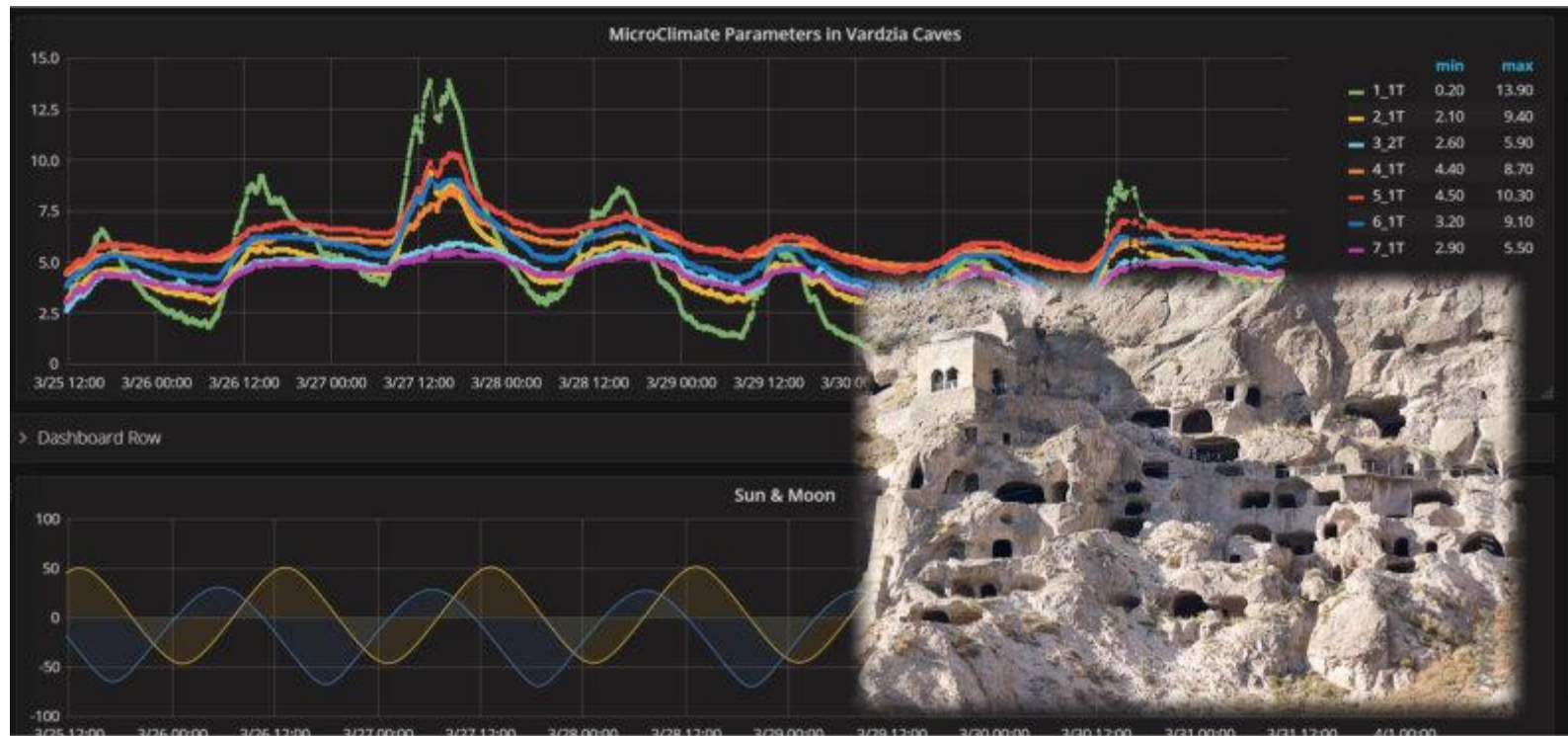
2013-2015 **Transport properties in nanostructured thermoelectrics**, Joint Research and Education Programme, Forschungszentrum Jülich & Shota Rustaveli National Science Foundation, JS/6/6-265/13

2013 **Nanostructured materials for optoelectronic and thermoelectric applications**
German Academic Exchange Service (DAAD A/13/03835)

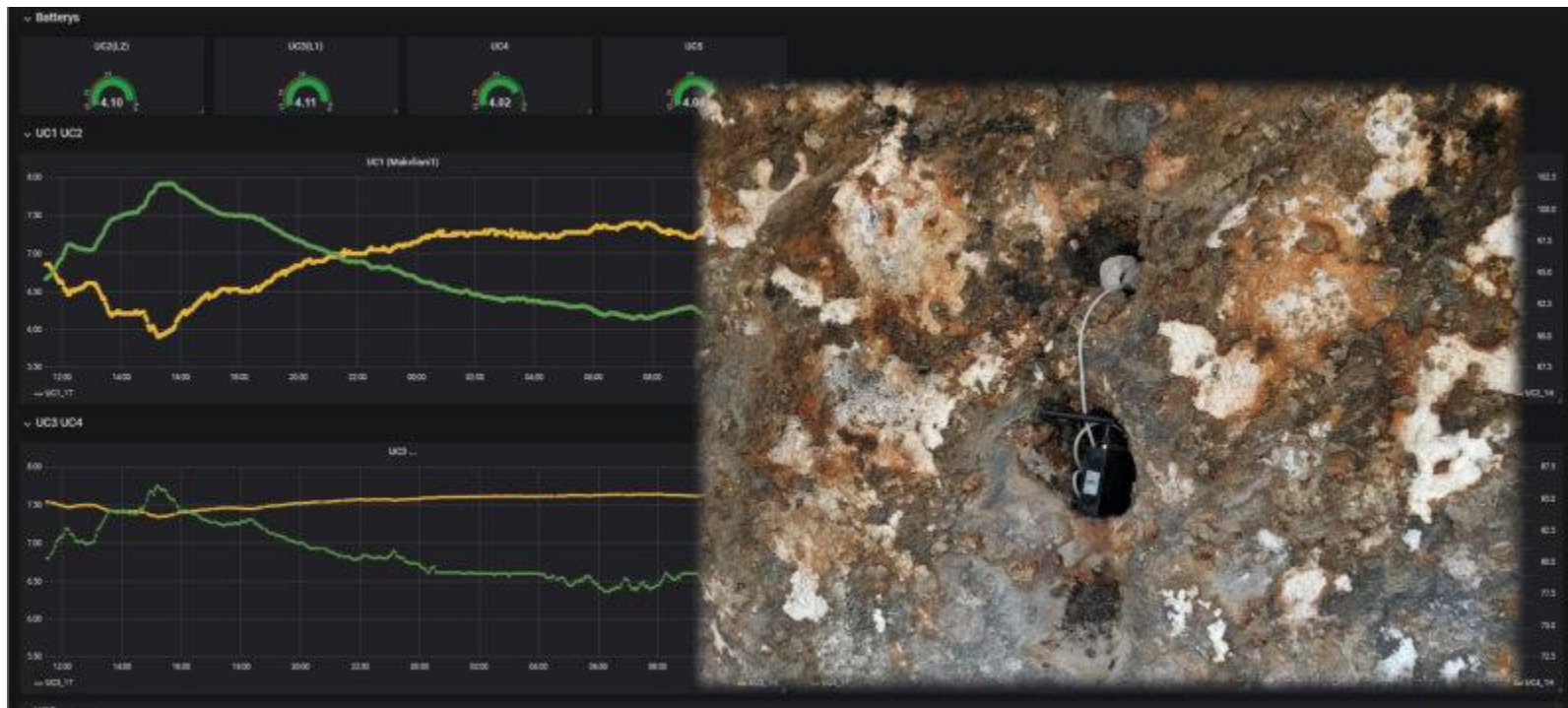
Uplistsikhe cave monastery observation



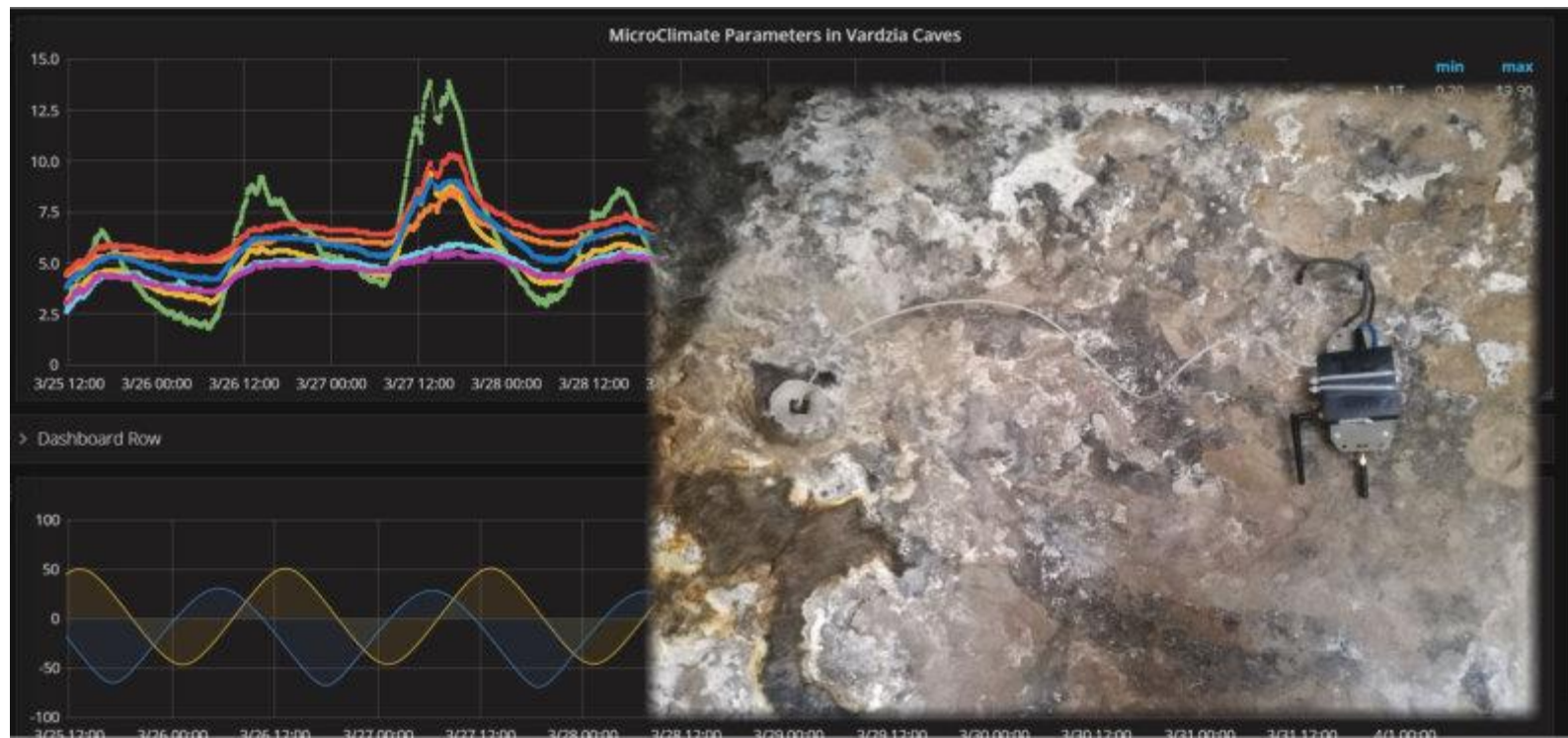
Vardzia cave monastery observation



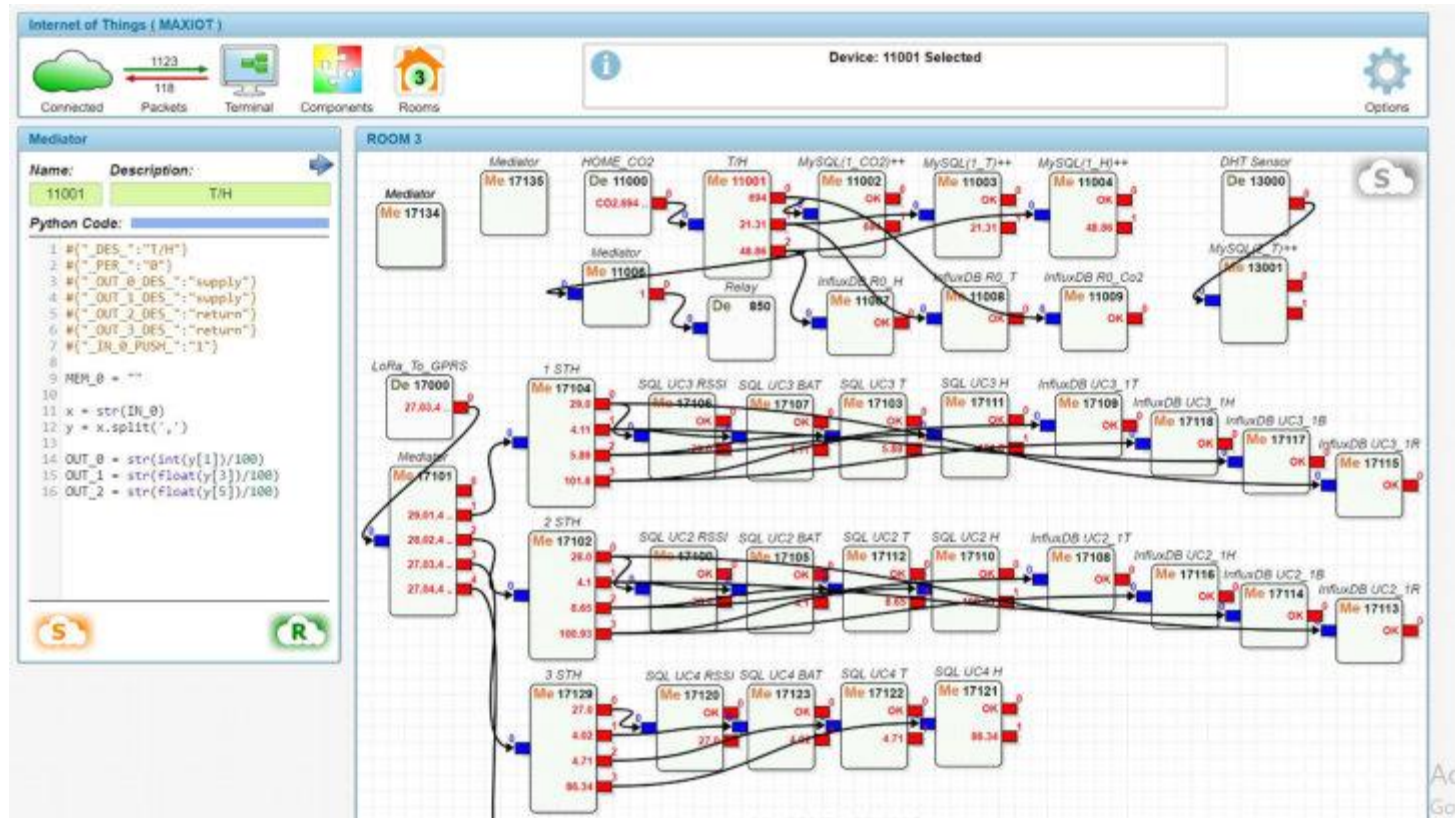
Sensor - equipment



Sensor - equipment



The Internet of Things



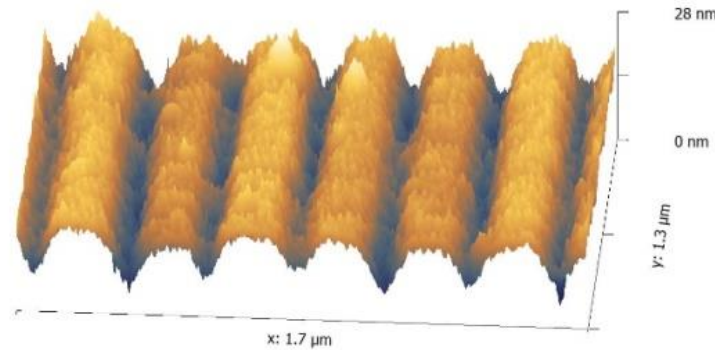
Accreditation Standards for Higher Education Programmes

- Educational programme objectives, learning outcomes and their compliance with the programme
- Teaching methodology and organization, adequate evaluation of programme mastering
- Student achievements and individual work with them
- Providing teaching resources
- Teaching quality enhancement opportunities

Experience

- A. Tavkhelidze participated in commissions of 5 HEI programme Accreditation visits and 2 University Authorization visits

Research in nanotechnology and material science



A. Tavkhelidze, L. Jangidze, M. Mebonia, K. Piotrowski, J. Więckowski, Z. Taliashvili, G. Skhiladze and L. Nadaraia, **Physica Status Solidi A**, 214 (7), 1700334 (2017).

D. Kakulia, A. Tavkhelidze, V. Gogoberidze, M. Mebonia, **Physica E** 78, pp. 49-55 (2016).

A. Tavkhelidze, **Physica E**, v. 60, pp. 4-10 (2014).

A. N. Tavkhelidze, **J. Appl. Phys** 108, 044313 (2010).

A. Tavkhelidze, **Nanotechnology**, 20, 405401 (2009).



Thank you!

