



Artificial Neural Networks – design, characterization, base elements

SPINTECH - TWENTE training workshop,

University of Twente, the Netherlands, 10-13 November 2021

This event is organized in frame of the project "SPINTECH" of the European Union H2020-WIDESPREAD-05-2017-Twinning programme



The main goal of the [SPINTECH-TWENTE training workshop Nov-2021](#) is to increase experience of the project participants in implementation of spintronics for design of artificial neural networks (ANN) and to gain knowledge in design, fabrication and characterization of the base elements of ANN under supervision of the experts from University of Twente.

Program of the SPINTECH-TWENTE Training Workshop

Wednesday, 10th of November

Arrival in Amsterdam 10:40 (Flight RO361) - arrival in Enschede 13:44 (Train IC, Schiphol Airport – Enschede start at 11:38), taxi travel to accommodation places in Enschede, The Netherlands.

Thursday, 11th of November

13:30-14:30 Opening of the event. Project SPINTECH – goals and achievements. Coordinator of the project, Prof.Dr. Sidorenko Anatolie.

14:30 -16:00 Visit of the BRAINS Center for Brain-Inspired Nano Systems. Meeting with Prof.dr.ir. Wilfred G. van der Wiel, Director of BRAINS Center for Brain-Inspired Nano Systems. Discussion of the possible titles and content of the master thesis of the Moldova master students and content of collaboration in the engineering, fabrication and investigation of the Artificial Neural Networks.

18:00 Dinner

Friday, 12th of November

10:00-11:00 Prof. Valery Vinokur, Argonne National Laboratory, USA. Trends in data processing: artificial neural networks.

11:00-12:30 Visit of the SQUID microscop laboratory. Direct training - all participants..



This project "SPINTECH" has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 810144

12:30-13:30 Lunch

Saturday, 13th of November

10:00-11:00 Dr. Joachim Woitok., “DANNALAB” Enschede, The Netherlands. Use of X-Ray Diffraction for Characterization of Advanced Materials.

11:00-12:30 Direct training in XRD methods - all participants.

12:30-13:30 Lunch

List of participants:

Prof. Anatolie Sidorenko – coordinator of the project (IEN)
Prof. Vladimir Krasnov – leader of the SU group (SU)
Prof. Alexander Golubov – leader of UTWENTE group
Prof. Valery Vinokur, Argonne, USA
Prof. Igor Lukyanchuk, Amien, France
Prof. Nikolai Klenov, Moscow State University, Russia
Prof. Alexander Brinkman (UTWENTE)
Prof. Hans Hilgenkamp (UTWENTE)
Prof. Wilfred van der Wiel (UTWENTE)
Prof. Oleg Lupan (UTM)
Prof. Serghei Railean (UTM)
Prof. Alexander Vakhrushev, Izhevsk Technical University, Russia
Dr. Vladimir Kogan (UTWENTE)
Dr. Elena Condrea – head of the Cryogenic Laboratory, project member (IEN)
Dr. Roman Morari - project member (IEN)
Dr. Evgheni Antropov- project member (IEN)
Dr. Andrei Prepelita - project member (IEN)
Dr. Alexander Penin- project member (IEN)
Dr. Efim Zasavitchi- project member (IEN)
Dr. Oleg Bujor- project member (IEN)
Dr. Taras Golod- project member (SU)
Dr. Olena Kapran - project member (SU)
PhD student Anton Iacunin (IEN)
PhD student Tairzan Karabassov- project member (UTWENTE)
PhD student Vladimir Boian, project member (IEN)
PhD student Maria Lupu - project member (IEN)
Researcher Christian Lupan (UTM)
Researcher Adrian Birnaz (UTM)
Researcher Cezar-Casian Malcoci - project member (IEN)
Researcher Andrei Sirbu - project member (IEN)

Organizing Committee:

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Dr. Evgheni Antropov aidjek@gmail.com

Web page: [https://nanotech.md/SPINTECH-Twente training workshop-Nov 2021](https://nanotech.md/SPINTECH-Twente%20training%20workshop-Nov%202021)



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