

# **Memresistive behaviour of Pt/TiO<sub>2</sub>/Pt nanodevice prepared by focused electron beam induced deposition**

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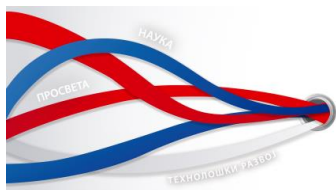
## Conclusions

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- By FEBID technique we demonstrated the production of  $\text{TiO}_2$  memristor.
- We measured the temperature dependence of LRS and HRS in order to reveal the transport mechanism in the device.
- Synergy between two COST Actions: CELINA and MemoCiS.



# Financing bodies and project acknowledgements



National research project  
2011-2018  
#OI171020

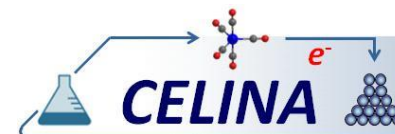
Bilateral project with Germany 2015-2016 :

“Identifying superior precursor molecules for focused electron beam induced deposition (FEBID)”

**DAAD**



Action CM1301 , CELINA 10/2013-10/2017  
Chemistry for ELection-Induced Nanofabrication



Action IC1401 Memristors - Devices, Models, Circuits, Systems  
and Applications (MemoCiS)



I acknowledge the STSM by MemoCiS.

MemoCIS 8th Workshop and MC Meeting  
'Memristors – Devices, Models, Circuits, Systems and Applications', Dresden, Germany  
20.09. – 21.09.2018

## PROGRAM

### Day 2 - Friday, September 21st, 2018

15:15 – 16:30    Regular Papers (talks)  
Chair: Alon Ascoli

- 15:15 – 15:30    **Bratislav P. Marinkovic**, „Memresistive behavior of Pt/TiO<sub>2</sub>/Pt nanodevices prepared by focused electron beam induced deposition”
- 15:30 – 15:45    **Heidemarie Schmidt**, „Boolean and Fuzzy logics realized with electroforming-free complementary BiFeO<sub>3</sub> memristors”
- 15:45 – 16:00    **Oliver Pabst**, „Introduction to the human skin memristor”
- 16:00 – 16:15    **Andres Udál**, „Study of worldwide trends in memristor research – updated”
- 16:15 – 16:30    **M. Apostolopoulou and S.G. Stavrínides**, „Building a digital marketing strategy for the Chua Memristor Center”



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Programme  
Horizon 2020



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