

“MIETMAN”

Modeling of Ionic and Electronic Transport in 2D Materials Toward Memristive Applications in Neuromorphic Computing

Grant Agreement: 101032701

Project Acronym: MIETMAN

Horizon 2020

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Marie Skłodowska-Curie Individual Fellowships

MSCA EF-ST

Standard European Fellowships

MIETMAN DATASET LIST

Work Package 1: Ab initio Study of 2D Material Properties		
ID	Type of Dataset	Name of the linked file
1	Crystal structure files	MIETMAN_1_MoS2_Memristor_QATK_V1.0_WP1 And MIETMAN_1_PtS2_Memristor_QATK_V1.0_WP1
2	Results (data)	MIETMAN_2_QATK_data_V1.0_WP1
3	Results (images)	MIETMAN_3_QATK_Results_V1.0_WP1
Work Package 2: Numerical Modeling of Memristive Systems Based on 2D Materials		
4	Python Codes (for visualization and analysis of data)	MIETMAN_4_Numerical_Codes_V1.0_WP2
5	Results (data)	MIETMAN_5_Numerical_Data_V1.0_WP2
6	Results (images)	MIETMAN_6_Numerical_Results_V1.0_WP2
Work Package 3: Device Fabrication and Experimental Characterization (secondment)		
7	AFM Images	MIETMAN_7_Experimental_AFM_V1.0_WP3
8	Electrical characterization data	MIETMAN_8_Experimental_Data_V1.0_WP3
9	Python Codes (for visualization and analysis of data)	MIETMAN_9_Experimental_Codes_V1.0_WP3
Work Package 4: Development of Compact Model for Circuit Level Simulations		
10	Codes (Verilog A)	MIETMAN_10_CM_Code_V1.0_WP4
11	SPICE and Model extraction files	MIETMAN_11_CM_SPICE_V1.0_WP4

12	Results (data)	MIETMAN_12_CM_data_V1.0_WP4
13	Results (images)	MIETMAN_13_CM_Results_V1.0_WP4
Work Package 5: Management, Coordination and Dissemination		
14	DMP	MIETMAN_14_DMP_V2.0_WP5
15	Final or preprint versions of papers for expert audiences	As per the title of the paper
16	Presentations in international conferences and collaborators for expert audiences	As per the title of the presentations
17	Presentations in events for non-expert audiences	As per the title of the presentations