Technology & Hardware for nEuromorphic coMPuting - ECSEL Research and Innovation Actions (RIA*) –



Deliverable 3.5

- Data generation on PCM for Compact model generation

Work Package	WP N° 3 – Integration
Document Date	16 January 2020
Revision N°	1
Status	FINAL
Dissemination Level	Confidential
Responsible Partner	CEA
Name	Elisa Vianello
Contact Information	elisa.vianello@cea.fr

© Copyright 2019 TEMPO Project. All rights reserved

This document and its contents are the property of the TEMPO Partners. All rights relevant to this document are determined by the applicable laws. This document is furnished on the following conditions: no right or license in respect to this document or its content is given or waived in supplying this document to you. This document or its contents are not be used or treated in any manner inconsistent with the rights or interests of TEMPO Partners or to its detriment and are not be disclosed to others without prior written consent from TEMPO Partners. Each TEMPO Partner may use this document according to the TEMPO Consortium Agreement.



* This project has received funding from the ECSEL Joint Undertaking (JU) under grant agreement No 826655. The JU receives support from the European Union's Horizon 2020 research and innovation programme and Belgium, France, Germany, Netherlands, Switzerland".





Publishable Summary

This report explains and resumes the characterization activity carried out on PCM devices with the aim of providing a consistent set of data for compact model calibration. First, it illustrates the test bench, the measurement tools and the DUT. Next, it resumes the test plan and eventually shows the data results. It is worth noting here that this set of data were obtained on 300mm wafers generated within the WAKeMeUp project.