



NEWSLETTER



RDC2MT 1ST ESR Poster Competition Winners

Issue 2, June 2018

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ABOUT RDC2MT

Research, Demonstration and Commercialisation of DC Microgrid Technologies (RDC2MT) is a four-year international collaborative research project (2017 to 2020) funded by EU H2020 RISE program, and aims to address new challenges of low voltage DC microgrids.

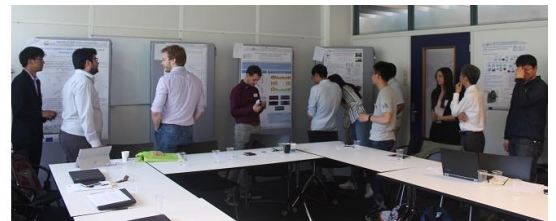
2ND PROJECT WORKSHOP AND POSTER COMPETITION

The 2nd RDC2MT project workshop was held on 7th June 2018 in TU Delft. More than 20 researchers from 9 project partners attended the workshop.

The workshop topic was “Research collaboration on DC microgrids between European and Chinese partners”. Prof. Xiangning He (IEEE Fellow) from Zhejiang University, China, gave an introduction of the recent Chinese Ministry of Science and Technology (MOST) funded project on DC microgrid. It is a match funding project for RDC2MT project, and it also has its own research objectives. Future collaboration opportunities between European and Chinese partners were discussed in details, and action plans were made after the discussion.

RDC2MT the 1st Early Stage Researchers (ESR) Poster Competition was held in this project workshop. We received quite a few high quality posters for this competition. All workshop participants voted their favorite posters, and Ph.D student Ruichi Wang from Zhejiang University won the price of *Outstanding Winner*. All posters can be downloaded from the project website:

<https://www.rdc2mt.org/publications>.



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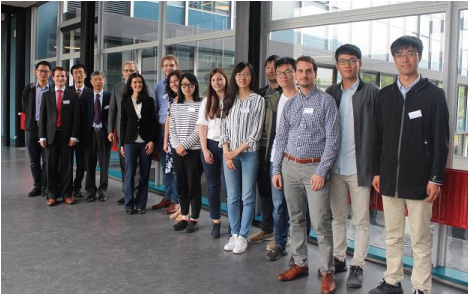
Website: www.rdc2mt.org



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 734796.



Project mid-term meeting



Project mid-term meeting participants



Chinese consortium in TU Delft



Dr Lin met Zhongnan and Ruichi in ZJU



Nils H. van der Blij with ZJU team

PROJECT MID-TERM MEETING

The mid-term meeting of RDC2MT project was held on 8th June 2018 in TU Delft. EU project advisor Simona Losmanova and all EU and Chinese partners attended the meeting. The project progress, implementation issues and deviations from the project plan were openly discussed between project partners and the EU project advisor. Positive and constructive comments were received from Simona, and a feasible amendment plan was discussed. Also, in the meeting, it has been confirmed that Shanghai University will be accepted as a formal partner of RDC2MT project.

CHINESE MOST MATCH FUNDING APPLICATION SUCCESS

Our Chinese partners have successfully secured a match funding from Chinese Ministry of Science and Technology (MOST). The project is entitled “Plug-and-Play Operational Principle and Applications of Structured DC Microgrid”. The MOST funded project is led by Prof. Xiangning He from Zhejiang University, and includes partners from Shanghai University, Hefei University of Technology and Xiamen University. The total project budget is 3.95 million CNY (equivalent to 500k+ EURs), and the project period is 3 years from April 2018. The success of this funding application will improve the consortium profile and the impact of the project research outcomes.

PROJECT PROGRESS

		Year 1				Year 2				Year 3				Year 4			
		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
WP1	1.1																
	1.2																
	1.3																
	1.4																
	1.5																
WP2	2.1																
	2.2																
	2.3																
	2.4																
	2.5																
WP3	3.1																
	3.2																
	3.3																
	3.4																
	3.5																
WP4	4.1																
	4.2																

We are here

By end of May 2018, 23.43 person-months secondments have been implemented by 16 researchers in RDC2MT project. Three project deliverables (D3.1, D3.5 and D4.2) have been approved. 6 papers have been published (or accepted) as one of the project research outcomes.

NEW PUBLICATIONS

Y. Zhu, J. Wu, R. Wang, Z. Lin, and X. He, 'Embedding Power Line Communication in Photovoltaic Optimizer by Modulating Data in Power Control Loop', IEEE Transactions on Industrial Electronics, vol in press, ([Zenodo download](#))

F. Li, Z. Lin, W. Cao, A. Chen and J. Wu, 'A Novel Filter Method to Suppress the Voltage Variations Caused by Introducing Droop Control in DC Microgrids', will be presented in ECCE 2018

E. Kalamaras, M. Belekoukia, Z. Lin, H. Wang, and J. Xuan, 'Techno-economic Assessment of a Hybrid Off-grid DC System for Combined Heat and Power Generation in Remote Islands', will be presented in ICAE 2018