

Pooya Davari  
Professor  
AAU Energi  
Det Ingeniør- og Naturvidenskabelige Fakultet  
Applied Power Electronic Systems  
Applied Power Electronic Systems  
EMI/EMC in Power Electronics  
Reliability of Power Electronic Components  
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## **!!Employments**

### **Professor**

Professor  
AAU Energi  
Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 aug. 2014 → 31 dec. 4712

### **Professor**

Professor  
Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 aug. 2014 → 31 dec. 4712

### **Applied Power Electronic Systems**

Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 jan. 2021 → present

### **Professor**

Professor  
Applied Power Electronic Systems  
Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 aug. 2014 → 31 dec. 4712

### **EMI/EMC in Power Electronics**

Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 jan. 2021 → present

### **Reliability of Power Electronic Components**

Det Ingeniør- og Naturvidenskabelige Fakultet  
Aalborg Øst, Danmark  
1 jan. 2021 → present

## Publikationer

### **Impedance Analysis of Single-Phase PFC Converter in the Frequency Range of 0–150 kHz**

Davari, P. & Blaabjerg, F., maj 2022, *Proceedings of the 2022 International Power Electronics Conference (IPEC-Himeji 2022- ECCE Asia)*. Himeji, Japan: IEEE (Institute of Electrical and Electronics Engineers), s. 2522-2528 7 s. 9807125

### **Investigation of acoustic emission as a non-invasive method for detection of power semiconductor aging**

Davari, P., Kristensen, O. D. & Iannuzzo, F., sep. 2018, I: *Microelectronics Reliability*. 88-90, s. 545-549 5 s.

### **Improving 9-150 kHz EMI Performance of Single-Phase PFC Rectifier**

Davari, P., Hoene, E., Zare, F. & Blaabjerg, F., mar. 2018, *Proceedings of CIPS 2018 - 10th International Conference on Integrated Power Electronics Systems*. VDE Verlag GMBH, s. 512-517 6 s.

### **Active Rectifiers and Their Control**

Davari, P., Zare, F. & Abdelhakim, A., 2018, *Control of Power Electronic Converters and Systems*. Blaabjerg, F. (red.). Academic Press, Bind 2. s. 3-52 50 s.

### **A Review of Electronic Inductor Technique for Power Factor Correction in Three-Phase Adjustable Speed Drives**

Davari, P., Yang, Y., Zare, F. & Blaabjerg, F., sep. 2016, *Proceedings of IEEE Energy Conversion Congress and Exposition (ECCE), 2016*. IEEE Press, 8 s.

### **Energy Saving in Three-Phase Diode Rectifiers Using EI Technique with Adjustable Switching Frequency Scheme**

Davari, P., Zare, F., Yang, Y., Kumar, D. & Blaabjerg, F., sep. 2016, *Proceedings of 18th European Conference on Power Electronics and Applications (EPE'16 ECCE Europe), 2016*. IEEE Press, 10 s.

### **Predictive Pulse Pattern Current Modulation Scheme for Harmonic Reduction in Three-Phase Multidrive Systems**

Davari, P., Yang, Y., Zare, F. & Blaabjerg, F., sep. 2016, I: *IEEE Transactions on Industrial Electronics*. 63, 9, s. 5932-5942 11 s.

### **Pulse Pattern-Modulated Strategy for Harmonic Current Components Reduction in Three-Phase AC–DC Converters**

Davari, P., Zare, F. & Blaabjerg, F., jul. 2016, I: *IEEE Transactions on Industry Applications*. 52, 4, s. 3182-3192 11 s.

### **Adjustable Speed Drives and Power Quality: Challenges and Cost-Effective Opportunities**

Davari, P., Yang, Y., Zare, F. & Blaabjerg, F., maj 2016, *Proceedings of the 2016 8th International Power Electronics and Motion Control Conference - ECCE Asia (IPEMC 2016-ECCE Asia)*. IEEE Press, s. 2594 - 2601 8 s.

### **A Multipulse Pattern Modulation Scheme for Harmonic Mitigation in Three-Phase Multimotor Drives**

Davari, P., Yang, Y., Zare, F. & Blaabjerg, F., mar. 2016, I: *IEEE Journal of Emerging and Selected Topics in Power Electronics*. 4, 1, s. 174-185 12 s.

### **Investigating Pulsed Discharge Polarity Employing Solid-State Pulsed Power Electronics**

Davari, P., Zare, F. & Blaabjerg, F., 26 nov. 2015, I: *Electric Power Components & Systems*. 43, 19, s. 2214-2222 9 s.

### **A Novel Harmonic Elimination Approach in Three-Phase Multi-Motor Drives**

Davari, P., Yang, Y., Zare, F. & Blaabjerg, F., sep. 2015, *Proceedings of the 2015 IEEE Energy Conversion Congress and Exposition (ECCE)*. IEEE Press, s. 7001-7008 8 s.

### **A Smart Current Modulation Scheme for Harmonic Reduction in Three-Phase Motor Drive Applications**

Davari, P., Zare, F. & Blaabjerg, F., sep. 2015, *Proceedings of the 2015 17th European Conference on Power Electronics and Applications (EPE'15 ECCE-Europe)*. IEEE Press, s. 1-10 10 s.

### **Pulse pattern modulated strategy for harmonic current components reduction in three-phase AC-DC converters**

Davari, P., Zare, F. & Blaabjerg, F., sep. 2015, *Proceedings of the 2015 IEEE Energy Conversion Congress and Exposition (ECCE)*. IEEE Press, s. 5968-5975 8 s.

Power converters design and analysis for high power piezoelectric ultrasonic transducers  
Davari, P., Ghasemi, N. & Zare, F., aug. 2014, *Proceedings of the 16th Conference on Power Electronics and Applications, EPE'14-ECCE Europe*. IEEE Press, s. 1-9 9 s.

Analysing DBD plasma lamp intensity versus power consumption using a push-pull pulsed power supply  
Davari, P., Zare, F. & Ghosh, A., 2013, *Proceedings of the 15th European Conference on Power Electronics and Applications (EPE 2013)*. IEEE Press, 8 s.

Parallel and series configurations of flyback converter for pulsed power applications  
Davari, P., Zare, F. & Ghosh, A., 1 dec. 2012, *Proceedings of the 2012 7th IEEE Conference on Industrial Electronics and Applications, ICIEA 2012*. s. 1517-1522 6 s. 6360964

A flexible solid-state pulsed power topology  
Davari, P., Zare, F. & Ghosh, A., 2012, *Power Electronics and Motion Control Conference (EPE/PEMC)*.

High-Voltage Modular Power Supply Using Parallel and Series Configurations of Flyback Converter for Pulsed Power Applications  
Davari, P., Zare, F., Ghosh, A. & Akiyama, H., 2012, I: *IEEE Transactions on Plasma Science*. 40, 10, s. 1-10 10 s.

Improving the efficiency of high power piezoelectric transducers for industrial applications  
Davari, P., Ghasemi, N., Zare, F., O'Shea, P. & Ghosh, A., 2012, I: *IET Science, Measurement & Technology*. 6, 4, s. 213-221 9 s.

Parallel and Series Configurations of Flyback Converter for Pulsed Power Applications  
Davari, P., Zare, F. & Ghosh, A., 2012, *IEEE/ICIEA*.

Designing a new robust on-line secondary path modeling technique for feedforward active noise control systems  
Davari, P. & Hassanpour, H., jun. 2009, I: *Signal Processing*. 89, 6, s. 1195-1204 10 s.

A New Feedback ANC System Approach  
Davari, P. & Hassanpour, H., mar. 2009, *Proceedings of 13th International CSI Computer Science*. Springer, Bind 6. s. 324-331 8 s. (Advances in Computer Science and Engineering).

A self-tuning feedforward active noise control system  
Davari, P. & Hassanpour, H., mar. 2009, I: *IEICE Electronics Express*. 6, 5, s. 230-236 7 s.

A robust feedforward active noise control system with a variable step-size fxlms algorithm: Designing a new online secondary path modelling method  
Davari, P. & Hassanpour, H., sep. 2008, I: *International Journal of Engineering-Transactions A: Basics*. 21, 3, s. 231-242 12 s.

An optimized online secondary path modeling method for single-channel feedback ANC systems  
Davari, P. & Hassanpour, H., aug. 2008, I: *International Journal of Engineering-Transactions A: Basics*. 22, 1, s. 1 12 s.

A new online secondary path modelling method for feedforward active noise control systems  
Davari, P. & Hassanpour, H., apr. 2008, *Proceedings of Industrial Technology, 2008. ICIT 2008. IEEE International Conference*. IEEE Press, s. 1-6 6 s.

A variable step-size FxLMS algorithm for feedforward active noise control systems based on a new online secondary path modelling technique  
Davari, P. & Hassanpour, H., apr. 2008, *Proceedings of Computer Systems and Applications, 2008. AICCSA 2008. IEEE/ACS International Conference*. IEEE Press, s. 74-81 8 s.

A New Face Recognition System-Using HMMs Along with SVD Coefficients.

Davari, P. & Miar Naimi, H., 2008, *International Conference on Computer Vision Theory and Applications, VISAPP 2008*. s. 200-205 6 s.

Benefiting White Noise in Developing Feedforward Active Noise Control Systems

Davari, P. & Hassanpour, H., 2008, *Proceedings of Advances in Computer Science and Engineering*. Springer, s. 332-339 8 s.

## Presseklip

### **CLEAN-POWER: NEW GRANT WITHIN POWER ELECTRONICS FROM INDEPENDENT RESEARCH FUND DENMARK (DFF)**

Davari, P.

15/10/2021

1 Mediebidrag

### **Forskningsprojekt vil fjerne barriere for grøn omstilling af el-nettet**

Davari, P.

02/05/2023 → 08/05/2023

3 elementer af Mediedækning

### **HOW ELECTROMAGNETIC COMPATIBILITY OF POWER ELECTRONIC SYSTEMS CONTRIBUTES TO “CLIMATE ACTION”**

Davari, P.

14/09/2020

1 element af Mediedækning

### **Iranian classmates reunited in Queensland lab make medical breakthrough**

Davari, P.

27/03/2014

1 element af Mediedækning

### **LOW HARM-projektet sætter fokus på strømforsyninger**

Davari, P.

08/06/2020

1 element af Mediedækning

### **Postdoc grants from the Danish Council for Independent Research | Technology and Production Sciences, September 2015**

Davari, P.

01/09/2015

1 Mediebidrag

### **AAU-talent modtager Danmarks ældste ingeniørpris**

Davari, P.

28/03/2022

1 element af Mediedækning

## Aktiviteter

### **Power Electronics for a Sustainable Society**

Davari, P. (Foredragsholder)

9 maj 2022

**SUSTAINABLE DIGITAL INFRASTRUCTURE ALLIANCE (SDIA) (Ekstern organisation)**

Davari, P. (Medlem)  
apr. 2021

**IEEE EMC Society (Ekstern organisation)**

Davari, P. (Forperson)  
feb. 2021

**Applied Sciences (Tidsskrift)**

Davari, P. (Redaktør)  
2021

**Power Electronic Devices and Components (Tidsskrift)**

Davari, P. (Redaktør)  
2021

**Power Electronics Ready for New Grid Requirements**

Davari, P. (Foredragsholder)  
2 nov. 2020

**Circuit World (Tidsskrift)**

Davari, P. (Redaktør)  
sep. 2020

**21st IEEE Workshop on Control and Modeling for Power Electronics, COMPEL 2020**

Davari, P. (Arrangør)  
2020

**Magnetism (Tidsskrift)**

Davari, P. (Redaktør)  
2020

**Journal of Power Electronics (Tidsskrift)**

Davari, P. (Redaktør)  
feb. 2019

**Application of Power Electronics (Tidsskrift)**

Blaabjerg, F. (Fagfællebedømmer), Dragicevic, T. (Fagfællebedømmer) & Davari, P. (Fagfællebedømmer)  
2019 → ...

**Application of Power Electronics (Tidsskrift)**

Blaabjerg, F. (Fagfællebedømmer), Dragicevic, T. (Fagfællebedømmer) & Davari, P. (Fagfællebedømmer)  
2019 → ...

**Danish Standards (Ekstern organisation)**

Davari, P. (Medlem)  
2019

**International Electrotechnical Commission (IEC) (Ekstern organisation)**

Davari, P. (Medlem)  
2019

**Electronics Letters (Tidsskrift)**

Davari, P. (Redaktør)  
jun. 2018 → ...

**29th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis**

Davari, P. (Arrangør)  
2018

**Applied Sciences (Tidsskrift)**

Davari, P. (Redaktør)  
2018

**Rectification Harmonics in Motor Drives: Modeling and Control**

Davari, P. (Foredragsholder), Yang, Y. (Foredragsholder) & Zhou, D. (Foredragsholder)  
29 okt. 2017

**EMC Design of Drive Systems [Modeling, Prediction and Mitigation of Grid-Side 0-150 kHz Harmonic Emissions]**

Davari, P. (Foredragsholder)  
12 jun. 2017 → 13 jun. 2017

**Strategies in Protecting Future Power Grids from Rectifier's Harmonic Emissions (0-150 kHz): Modelling, Prediction and Mitigation**

Davari, P. (Foredragsholder)  
3 maj 2017

**EPE (Ekstern organisation)**

Davari, P. (Medlem)  
2017

**42nd Conference of the Industrial Electronics Society, IECON 2016**

Davari, P. (Deltager)  
25 okt. 2016

**International Journal of Power Electronics (Tidsskrift)**

Davari, P. (Redaktør)  
jul. 2016 → ...

**Seventh Annual IEEE Energy Conversion Congress & Exposition (ECCE 2015)**

Davari, P. (Oplægsholder)  
22 sep. 2015 → 30 sep. 2015

**17th European Conference on Power Electronics and Applications, EPE-ECCE Europe 2015**

Davari, P. (Oplægsholder)  
8 sep. 2015 → 10 sep. 2015

**HARMONY Symposium 2015**

Davari, P. (Oplægsholder)  
31 aug. 2015

**Leading the Virtual Company – Pasteur Program 2015**

Davari, P. (Deltager)  
27 jan. 2015 → 16 nov. 2015

**International Power Electronics and Motion Control Conference 2012 (EPE-PEMC 2012)**

Davari, P. (Oplægsholder)  
4 sep. 2012 → 6 sep. 2012

## **7th IEEE Conference on Industrial Electronics and Applications**

Davari, P. (Oplægsholder)  
18 jul. 2012 → 31 jul. 2012

## **Projekter**

### **An Optimized Dual Active Bridge Converter for EV On-board Charger**

Liu, B. (PI (principal investigator)), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)  
01/12/2017 → 01/12/2020

### **BioCat Roslev – Phase 1**

Blaabjerg, F. (PI (principal investigator)) & Davari, P. (CoI (co-investigator))  
EUDP  
26/09/2018 → 31/08/2019

### **BMS-DC: Next Generation BMS Technology for Data Centers**

Oshnoei, A. (PI (principal investigator)), Davari, P. (CoPI), Teodorescu, R. (CoPI) & Steffensen, B. (Projektkoordinator)  
Energy Cluster Denmark  
01/04/2024 → 31/12/2024

### **CAPeX: CAPeX - Pionercenter for Accelerating P2X Materials Discovery**

Blaabjerg, F. (PI (principal investigator)), Jensen, S. H. (CoPI), Wang, H. (Projektdeltager), Davari, P. (Projektdeltager),  
Olguín Godoy, V. (Projektdeltager), Pedersen, K. (Projektdeltager), Bøgh, S. (Projektdeltager), Pérez Millan, A.  
(Projektdeltager), Vasudev, A. P. (Projektdeltager) & Frøstrup, S. (Projektkoordinator)  
01/05/2023 → 30/04/2036

### **CLEAN-Power: Compatibility and Low electromagnetic Emission Advancements for Next generation Power electronic systems**

Davari, P. (PI (principal investigator)), Xue, P. (Projektdeltager), Tang, Z. (Projektdeltager) & Frøstrup, S.  
(Projektkoordinator)  
Danmarks Frie Forskningsfond  
01/07/2022 → 30/06/2026

### **Deep learning based transformer fault diagnosis method via vibration signal**

Li, C. (PI (principal investigator)) & Davari, P. (Supervisor)  
12/11/2021 → 12/11/2022

### **Design and Control of Single-Phase WBG Based Grid Connected Inverter in Photovoltaic Applications**

Liu, C. (PI (principal investigator)), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)  
01/02/2023 → 31/01/2026

### **LOW HARM : Effektelektronik klar til nye netharmoniske krav**

Davari, P. (PI (principal investigator)) & Østergaard, J. (Projektkoordinator)  
Innovationsnetværket Smart Energy (Inno-SE)  
01/10/2019 → 30/09/2020

### **EMC-Power: ElectroMagnetic Compatibility design and modeling in three-phase Power converters**

Davari, P. (PI (principal investigator)) & Blaabjerg, F. (Projektleder)  
Schneider Electric  
01/01/2021 → 30/04/2023

### **Electromagnetic Interference Analysis and Mitigation of Highly Integrated Power Electronics in Motor Drives**

Babu, P. (PI (principal investigator)), Davari, P. (Supervisor), Blaabjerg, F. (Supervisor) & Peyghami, S. (Supervisor)  
01/10/2023 → 30/09/2026

**NextGen EMC Lab: EMI/EMC Research Infrastructure for Next Generation Power Electronics**

Davari, P. (PI (principal investigator))

Fabrikant Mads Clausens Fond, Det Ingeniør- og Naturvidenskabelige Fakultet og AAU Energy, Anden privat finansiering  
01/06/2022 → 31/12/2022

**BlueBat: Enabling Hybridization in Next-Generation Maritime Battery Systems**

Oshnoei, A. (PI (principal investigator)), Davari, P. (CoPI), Steffensen, B. (Projektkoordinator) & Zheng, Y. (Projektdeltager)

01/01/2026 → 31/12/2027

**eSMR-MeOH: eSMR-MeOH: Biogas to MeOH by electric reforming**

Blaabjerg, F. (PI (principal investigator)), Davari, P. (Col (co-investigator)) & Yang, Y. (Col (co-investigator))  
EUDP

01/08/2019 → 31/10/2024

**HiRED: High Quality and Robust Energy Conversion Systems for Distributed Network**

Davari, P. (PI (principal investigator))

Australian Research Council (ARC)

16/11/2018 → 31/12/2022

**Improvement of AC-DC multi-terminal microgrids' protection against short circuit**

Zarei, S. F. (PI (principal investigator)), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)

01/08/2017 → 01/03/2018

**Improvement of Transient Power Sharing Performance in Parallel Converter System and Microgrids**

Alhasheem, M. A. M. Z. Y. (PI (principal investigator)) & Davari, P. (Supervisor)

01/11/2016 → 01/12/2019

**Integrated Design for Reliability of Motor Drives in High-Power High-Speed Machines**

Ahooye Atashin, S. (PI (principal investigator)), Blaabjerg, F. (Supervisor), Peyghami, S. (Supervisor) & Davari, P. (Supervisor)

01/01/2024 → 31/12/2026

**HIPO: Integrated High-speed Power Systems for Industry and Mobile Applications**

Davari, P. (PI (principal investigator)), Peyghami, S. (Projektdeltager), Blaabjerg, F. (Projektleder) & Frøstrup, S. (Projektkoordinator)

European Commission

01/09/2022 → 31/08/2026

**Minimization of microgrid voltages harmonic distortion using remaining capacity of power electronic based distributed energy resources**

Adineh, B. (PI (principal investigator)), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)

01/10/2019 → 31/07/2020

**MEGA: Modular Efficient power Generation with Advanced fuel cell power converters**

Davari, P. (PI (principal investigator)), Blaabjerg, F. (Projektdeltager), Sangwongwanich, A. (Projektdeltager) & Frøstrup, S. (Projektkoordinator)

EUDP

01/04/2023 → 31/03/2027

**Multi-Physics of High Power Density Power Electronic Systems**

Davari, P. (PI (principal investigator)) & Steffensen, B. (Projektkoordinator)

DFF-Individuelle postdocstipendier : DFF-1333-00034

01/03/2016 → 31/05/2018

**SiC4GRID: Next generation modular sic-based advanced power electronics converters for enhanced renewables integration into the grid**

Davari, P. (PI (principal investigator)), Blaabjerg, F. (Projektleder) & Frøstrup, S. (Projektkoordinator)  
European Commission  
01/10/2022 → 30/09/2026

**NHTD: New Harmonic Reduction Techniques for Motor Drives**

Blaabjerg, F. (PI (principal investigator)), Davari, P. (Projektdeltager), Yang, Y. (Projektdeltager) & Soltani, H. (Projektdeltager)  
Højteknologifonden  
01/05/2014 → 30/11/2017

**Online Condition-Monitoring of Power Semiconductor Devices using Acoustic Time-frequency Spectral Signature**

Davari, P. (PI (principal investigator)), Iannuzzo, F. (Col (co-investigator)) & Kristensen, O. D. (Projektdeltager)  
Department of Energy Technology  
15/08/2017 → 14/04/2018

**Optimal Designing and Construction of a New Multilevel Inverter with the Purpose of Improving the Operational Parameters**

Orfi Yeganeh, M. S. (PI (principal investigator)) & Davari, P. (Supervisor)  
01/11/2019 → 01/11/2020

**Physics based High Level Digital Twin concept modelling for Power2X systems**

Olguin Godoy, V. (PI (principal investigator)), Blaabjerg, F. (Supervisor) & Davari, P. (Supervisor)  
01/10/2023 → 30/09/2026

**PEMC: Power Electronics Software Tool for ElectroMagnetic Interference Pre-compliance**

Davari, P. (PI (principal investigator)), Tang, Z. (Projektdeltager), Xue, P. (Projektdeltager), Yuan, J. (Projektdeltager), Wani, U. B. (Projektdeltager) & Frøstrup, S. (Projektkoordinator)  
Innovationsfonden  
01/01/2022 → 30/06/2023

**Probabilistic Assessment and Robustness Analysis of Power Electronic Sub-System for Grid Applications**

Gholami-Khesht, H. (PI (principal investigator)), Blaabjerg, F. (Supervisor), Davari, P. (Supervisor) & Wang, X. (Supervisor)  
01/06/2019 → 31/05/2022

**Pulsed Power Supply Reliability**

Zhao, Z. (PI (principal investigator)), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)  
15/09/2019 → 15/09/2020

**Pyroelectricity for Multiphysics Sensing and Energy Harvesting**

Rezaniakolaei, A. (PI (principal investigator)), Davari, P. (Col (co-investigator)) & Miltersen, A. H. (Projektkoordinator)  
Aalborg University  
01/05/2021 → 31/10/2021

**Reliable Control of Power Electronic based Power Systems**

Steinkohl, J. (PI (principal investigator)), Wang, X. (Supervisor), Davari, P. (Supervisor) & Blaabjerg, F. (Supervisor)  
01/04/2018 → 07/07/2021

**REPEPS: RELIABLE Power Electronic based Power System**

Blaabjerg, F. (PI (principal investigator)), Iannuzzo, F. (Col (co-investigator)), Davari, P. (Col (co-investigator)), Wang, H. (Col (co-investigator)), Wang, X. (Col (co-investigator)) & Yang, Y. (Col (co-investigator))  
01/08/2017 → 01/12/2023

**SOLARIS: SOLARIS**

Peyghami, S. (PI (principal investigator)), Davari, P. (CoI (co-investigator)), Hosseini, S. A. (Projektdeltager), Tahir, M. U. (Projektdeltager) & Frøstrup, S. (Projektkoordinator)  
Horizon Europe  
01/07/2024 → 30/06/2028

**Stable-Drives: Stability enhancement methodologies for slim dc-link Drives**

Davari, P. (PI (principal investigator)) & Blaabjerg, F. (Projektleder)  
01/12/2020 → 15/03/2021

**STUDY OF SPECTRAL CHARACTERISTICS OF LOW FREQUENCY CONDUCTED EMI IN POWER ELECTRONIC BASED SYSTEMS**

Esfetanaj, N. N. (PI (principal investigator)), Wang, H. (Supervisor) & Davari, P. (Supervisor)  
01/07/2018 → 10/06/2021

**Supra-EMC: Supraharmonics ElectroMagnetic Compatibility strategies in power electronic based power grid**

Davari, P. (PI (principal investigator)), Blaabjerg, F. (CoPI), Wang, H. (Projektdeltager) & Frøstrup, S. (Projektkoordinator)  
Innovationsfonden  
01/05/2023 → 31/10/2027

**Synchronization Stability of Grid-Connected Converters under Grid Faults**

Taul, M. G. (PI (principal investigator)), Blaabjerg, F. (Supervisor), Wang, X. (Supervisor) & Davari, P. (Supervisor)  
01/09/2017 → 11/08/2020

**Topology Derivation and Mission Profile Based Modeling of Bridgeless PFC Converters**

Chen, Z. (PI (principal investigator)), Davari, P. (Supervisor) & Wang, H. (Supervisor)  
01/02/2018 → 19/02/2021

**Topology Optimization for High Efficiency Wide Band Gap Ground Power Unit**

Blaabjerg, F. (PI (principal investigator)), Nielsen, A. B. (Projektdeltager) & Davari, P. (Projektleder)  
Innovationsfonden  
01/05/2018 → 30/04/2021

**TRANSIT: Transforming Maritime Safety and Sustainability with Advanced Battery Systems**

Oshnoei, A. (PI (principal investigator)), Davari, P. (CoPI) & Steffensen, B. (Projektkoordinator)  
Den Danske Maritime Fond  
01/10/2025 → 30/09/2027

**HYBATT: AAU Bubble Project: Prototyping Optimization and Digital Twin Tools for Hybrid Maritime Battery Systems**

Oshnoei, A. (PI (principal investigator)) & Davari, P. (CoPI)  
01/01/2026 → 30/06/2026

2016	Lorem ipsum dolor sit amet
2015	Lorem ipsum dolor sit amet
2014	Lorem ipsum dolor sit amet
2013	Lorem ipsum dolor sit amet
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2011	Lorem ipsum dolor sit amet