



CONFERENCE PUBLICATIONS

| Title of publication | Author(s) | Conference Title / Title of the Journal/Proceedings/Book | Doi and/or link to article on journal/publisher website And/or repository |
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| Experimental Characterization of Lithium-Ion Capacitors for Applications on Road Hybrid Vehicles | Clemente Capasso, Ottorino Veneri | 11 th International Conference on Applied Energy 2019. 12-15 August 2019. Västerås. Sweden | http://www.energy-proceedings.org/experimental-characterization-of-lithium-ion-capacitors-for-applications-on-road-hybrid-vehicles/ |
| Investigation of Leakage Inductance Influence on Torque Characteristic of Different Types of Induction Machines | Ihor Reva ; Mykhaylo Zagirnyak ; Mario Vukotic ; Damijan Miljavec ; Selma Corovic | 2019 IEEE International Conference on Modern Electrical and Energy Systems (MEES). 23-25 Sept. 2019. Kremenchuk, Ukraine | https://doi.org/10.1109/MEES.2019.8896396 https://ieeexplore.ieee.org/document/8896396 |
| European Innovation for Next Generation Electrified Vehicles and Components | Eric Armengaud, Eva Flora Varga, Bernhard Brandstätter, Valentin Ivanov, Reinhard Tatschl, Michele De Gennaro, Aldo Sorniotti, Joeri van Mierlo | The 8th International Conference on Connected Vehicles and Expo (ICCVE), November 4-8, 2019, Graz | https://doi.org/10.1109/ICCVE45908.2019.8964843 https://ieeexplore.ieee.org/document/8964843 |
| State of Charge Equalization of Battery Modules Using Single-Phase Cascaded Multilevel Converters | Ashkan Pirooz, Yousef Firouz, Joeri Van Mierlo | 9th International Conference on Power and Energy Systems (ICPES 2019) 10 – 12 December 2019 Perth, Australia 10.1109/ICPES47639.2019.9105524 | https://doi.org/10.1109/ICPES47639.2019.9105524 https://cris.vub.be/files/48854873/1570563521.pdf https://ieeexplore.ieee.org/document/9105524 |



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| <p>Virtual Component and System Integration for Efficient Electrified Vehicle Development</p> | <p>Reinhard Tatschl, Zisis Samaras, Philip Scarth, Carlo Beatrice, Mihai Mihaescu, Matteo Rostagno, Angelo Onorati, Gladys Moreac Njeim, Clemens Biet, Xandra Margot, Yousef Firouz, Bernd Deibler, Damijan Miljavec, Marco Plieske</p> | <p>Proceedings of 8th Transport Research Arena TRA 2020, April 27-30, 2020. (Helsinki, Finland). Cancelled due to COVID19 pandemic.</p> | <p>https://www.researchgate.net/profile/Reinhard_Tatschl</p> |
| <p>Prediction of Driving Cycles by Means of a Co-Simulation Framework for the Evaluation of IC Engine Tailpipe Emissions</p> | <p>Gianluca Montenegro, Angelo Onorati, Gianluca D'Errico, Tarcisio Cerri, Andrea Marinoni, Politecnico di Milano; Vasileios Tziolas, Nikolaos Zingopis, Exothermia SA.</p> | <p>SAE Technical Paper 2020-37-0011 - SAE Conference "CO2 Reduction for Transportation Systems", 7-8 July 2020, (Torino, Italy). Online due to COVID19 pandemic.</p> | <p>https://doi.org/10.4271/2020-37-0011 https://saemobilus.sae.org/content/2020-37-0011</p> |
| <p>Assessment and design of real world driving cycles targeted to the calibration of vehicles with electrified powertrain</p> | <p>S. Doulgeris, Z. Toumasatos, M.V. Prati, C. Beatrice, and Z. Samaras</p> | <p>THIESEL2020, 8-11 Sept. 2020, (Valencia, Spain). Online due to COVID19 pandemic.</p> | <p>https://riunet.upv.es/handle/10251/150759</p> |
| <p>Experimental and numerical investigation of a turbocharger turbine using exergy analysis at non-adiabatic conditions</p> | <p>SM. Lim, S. Kazemi Bakhsmand, C. Biet, M. Mihaescu</p> | <p>SAE Technical Paper 2020-01-2225 SAE 2020 International Powertrains, Fuels & Lubricants Meeting, 22-24 Sept. 2020, (Krakow, Poland). Online due to COVID19 pandemic.</p> | <p>https://doi.org/10.4271/2020-01-2225</p> |
| <p>Automatic Conversion of a 3D Thermal Model of a Battery Cell into a 1D Lumped-Element Network</p> | <p>Josep Salvador-Iborra, Jürgen Schneider, Reinhard Tatschl</p> | <p>IEEE Vehicle Power and Propulsion Conference (IEEE VPPC 2020), 26-29 Oct. 2020, (Gijon, Spain). Online due to COVID19 pandemic.</p> | <p>https://doi.org/10.1109/VPPC49601.2020.9330842</p> |



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| Experimental energy and exergy analysis of an automotive turbocharger using a novel power based approach | Sina K.Bakhshmand, Ly Tai Luu, Clemens Biet | ETC14, European Conference on Turbomachinery, 12-16 April 2021, Gdansk, Poland. | |
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JOURNAL PUBLICATIONS

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| A Novel Design Concept of Electromagnetic Valve Actuator with High Starting Force | Tomaž Munih, Damijan Miljavec and Selma Čorović | Energies 2019, 12 | https://doi.org/10.3390/en12173300 https://www.mdpi.com/1996-1073/12/17/3300 |
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