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Expertise

Short Bio

Joeri Van Mierlo is a key player in the Electromobility scene. He is professor at the Vrije Universiteit Brussels, one of the top universities in this field.

Prof. Dr. ir. Joeri Van Mierlo leads the MOBI – Electromobility Research Centre and is head of ETEC - Electric Engineering and Energy Technology department.

Prof. Van Mierlo was visiting professor at Chalmers University of Technology, Sweden (2012).

He is expert in the field of Electric and Hybrid vehicles (batteries, power converters, energy management simulations) as well as to the environmental and economical comparison of vehicles with different drive trains and fuels (LCA, TCO).

Prof. Van Mierlo was Vice-president of AVERE (2013-2019), the European Electric Vehicle Association and Vice-president (2015-2019) of its Belgian section EV-Belgium. He is appointed member of KVAB (Royal Flemish Academy of Belgium for Science and the Arts). He is member of the Executive Council of EPE. He is an active member of EARPA (European Automotive Research Partner Association) and member of EGVA (European Green Vehicle Initiative Association). He is member of the Core lab committee of Flanders Make.

He is IEEE Senior Member and member of IEEE Power Electronics Society (PELS), IEEE Vehicular Technology Society (VTS) en IEEE Transportation Electrification Community.

He is editor in chief of the World Electric Vehicle Journal and the author of more than 500 scientific publications. "Highly Cited Researcher 2023" award from Clarivate - Web of Science.

Research outputs

Advances in inorganic, polymer and composite electrolytes: Mechanisms of Lithium-ion transport and pathways to enhanced performance

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Hegazy, Omar (Recipient), Van Mierlo, Joeri (Recipient), Berecibar, Maitane (Recipient), El Baghdadi, Mohamed (Recipient), De Cauwer, Cedric (Recipient), Messagie, Maarten (Recipient), Jacobs, Valéry Ann (Recipient) & Coosemans, Thierry (Recipient), 2021

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Best paper award for "Rechargeable Energy Storage Systems for Plug-in Hybrid Electric Vehicles—Assessment of Electrical Characteristics" in Energies Journal

Omar, N. (Recipient), Daowd, M. A. A. H. (Recipient), Van Den Bossche, Peter (Recipient), Hegazy, Omar (Recipient), Smekens, Jelle (Recipient), Coosemans, Thierry (Recipient) & Van Mierlo, Joeri (Recipient), 2018

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Van Mierlo, Joeri (Recipient), 20 Sep 2016

European PhD school best poster award "Optimal Design of Multiport DC/DC Converter for Hybrid Systems", Egi Nazeraaj, Joeri Van Mierlo

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"Societal Valorisation award" of VUB for Prof. Cathy Macharis and Prof. Joeri Van Mierlo

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Van Mierlo, Joeri (Recipient), 28 Oct 2013

Siemens Best Master Thesis Award, Analysis of the energy storage systems in series plug-in hybrid electric vehicles. By Karel Fleurbaey Promoter: Joeri Van Mierlo and supervisors: Noshin Omar and Mohamed El Baghdadi

Van Mierlo, Joeri (Recipient), 2013

IMechE Railway Division Prize - K.F.Alcock RIA Memorial Prize for "Stationary or Onboard Energy Storage Systems for Energy Consumption Reduction in a Metro Network", Ricardo Barrero, Joeri Van Mierlo

Van Mierlo, Joeri (Recipient), 26 Sep 2011

EVS-22 Youth Paper Award, Julien Matheys, Joeri Van Mierlo

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Third prize at Formula TECH 2006, Balocco, Italy, Frederik Van Mulders, Joeri Van Mierlo

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BASGO28: OZR Basisfinanciering voor Grote Onderzoeksgroepen - MOBI

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European Commission
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EUAR11: H2020: CoFBAT: Advanced material solutions for safer and long-lasting high capacity Cobalt Free Batteries for stationary storage applications

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1/11/19 → 30/04/24

CONI782: MOBI Seminar 2024 (inschrijvingen conferentie)

Van Mierlo, J.
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SOCMAAK18: SBO project: ModulAr - Design and validation of modular drivetrain architectures

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Hegazy, O., El Baghdadi, M., Van Mierlo, J., Messagie, M. & Pardhi, S.

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IOFACC7: IOF Accelerator - Transitioning to future sustainable transport systems Supporting a sector in full transition: valorization of the MOBI expertise

Messagie, M., Macharis, C., Van Mierlo, J., Coosemans, T. & Vranckx, A.

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EUAR36: H2020: CSA: BATTERY 2030+ large-scale research initiative: At the heart of a connected green society

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1/09/20 → 31/08/23

OZR3686: SPARTACUS, BATTERY2030PLUS, BAT4EVER (OZR EU BONUS)

Van Mierlo, J. & Berecibar, M.

1/09/20 → 31/08/23

EU588: SELFIE: SELF-sustained and Smart Battery Thermal Management Solution for Battery Electric Vehicles

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European Commission

1/12/18 → 31/07/23

CONI761: Mobi Seminar 2023 Beyond the state of the art in e-mobility (inschrijvingen conferentie)

Van Mierlo, J.

9/02/23 → 31/03/23

VLAFIX2: ICON project: MAMuET - Machine learning for real-time Advanced Multi Energy Trading

Coosemans, T., Van Mierlo, J., Messagie, M., Gonzalez Fernandez De Bobadilla, A., Arapoglou, S. & Vranckx, A.

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VLAFIX3: ICON project OPTIBIDS: Optimized bidirectional & Smart vehicle charging in local energy systems

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EU581: ACHILES: Advanced Architectures Chassis/Traction concept for Future Electric vehicles

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European Commission

1/12/18 → 30/11/22

IWTOO37: Baekeland mandate: Modular Distributed Linear Electromagnetic Actuation for Reciprocating Compressors

Contino, F., Van Mierlo, J. & Beckers, J.

1/11/18 → 31/10/22

EUAR7: Horizon 2020: DIAS

Van Mierlo, J., Coosemans, T., Messagie, M., Arapoglou, S., Hooftman, N. S. & Vranckx, A.
European Commission
1/09/19 → 31/10/22

EU586: FITGEN: Functionally Integrated E-axle Ready for Mass Market Third GENERation Electric Vehicles

Van Den Bossche, P., Omar, N., Van Mierlo, J. & Berecibar, M.
European Commission
1/01/19 → 30/09/22

OZR3545: Horizon 2020: DIAS - H2020: CoFBAT: Advanced material solutions for safer and long-lasting high capacity Cobalt Free Batteries for stationary storage applications (OZR Bonus EU)

Van Mierlo, J. & Berecibar, M.
1/09/19 → 31/08/22

BRGIMP21: Bridge 2019: FUSE: Green approaches towards Full Solid-State Batteries

Van Mierlo, J., Hubin, A. & Berecibar, M.
1/05/19 → 14/08/22

EU584: PANDA: Powerfull Advanced N-Level Digitalization Architecture for models of electrified vehicles and their components

Van Mierlo, J., Omar, N., Messagie, M., Firouz, Y., Jaguemont, J., Berecibar, M., Hosen, M. S. & Kalogiannis, T.
European Commission
1/12/18 → 31/05/22

OZR3405: SELFIE: SELF-sustained and Smart Battery Thermal Management Solution for Battery Electric Vehicles

Van Mierlo, J. & Berecibar, M.
1/12/18 → 31/05/22

OZR3403: REDIFUEL + UPSCALE + PANDA + BATTERY 2030 (OZR EU Bonus)

Van Mierlo, J., Omar, N. & Berecibar, M.
1/12/18 → 30/04/22

EU579: UPSCALE: Upscaling Product development Simulation Capabilities exploiting Artificial intelligence for Electrified vehicles

Omar, N., Jaguemont, J., Firouz, Y., Van Mierlo, J. & Berecibar, M.
European Commission
1/11/18 → 30/04/22

EU544: ASSURED - fASt and Smart charging solutions for full size URban hEavy Duty applications

Van Mierlo, J., Omar, N., Hegazy, O., Coosemans, T., Van Mierlo, J., Messagie, M., Asanova, S., Mayet, C., Heidari Gandoman, F., Pirooz, A., El Baghdadi, M., Berecibar, M. & Hasan, M. M.
European Commission
1/10/17 → 31/03/22

EU566: ENSEMBLE: ENabling Safe Multi-Brand pLatooning for Europe.

Coosemans, T., Van Mierlo, J., Messagie, M., De Cauwer, C., Arapoglou, S. & Vranckx, A.
European Commission
1/06/18 → 31/03/22

EU574: REDIFUEL: Robust and Efficient processes and technologies for Drop In renewable FUELS for road transport.

Coosemans, T., Messagie, M., Van Mierlo, J., Van Den Oever, A., Arapoglou, S. & Vranckx, A.
European Commission
1/10/18 → 31/01/22

EU548: GHOST: InteGrated and PHysically Optimised Battery System for Plug-in Vehicles Technologies

Van Mierlo, J., Omar, N., Hegazy, O., Van Mierlo, J., Coosemans, T., Messagie, M., Jaguemont, J., Hosen, M. S., Varga, E. F., Kalogiannis, T., Berecibar, M. & Arapoglou, S.

European Commission

1/10/17 → 31/12/21

EU577: VISION-xEV: Virtual Component and System Integration for Efficient Electrified Vehicle Development

Van Den Bossche, P., Omar, N., Van Mierlo, J., Berecibar, M. & De Sutter, L.

European Commission

1/01/19 → 31/12/21

IOFACC6: IOF Accelerator: a generic toolbox for the reliable prediction of lifetime and ageing in electrochemical systems

Hubin, A., Terryn, H., De Graeve, I., Van Ingelgem, Y., Van Assche, G., Pintelon, R., Van Mierlo, J. & Berecibar, M.

21/12/18 → 20/12/21

IOFACC5: IOF Accelerator MOBI: Mobility, Logistics and Automotive technology research centre - valorization of MOBI key assets: breakthroughs in sustainable mobility and logistics

Van Mierlo, J. & Macharis, C.

21/12/18 → 20/12/21

EU564: High performant Wide Band Gap Power Electronics for Reliable, energy efficient drivetrains and Optimization thRough Multi-physics simulation.

Hegazy, O., Van Mierlo, J., El Baghdadi, M., Omar, N., Vu, H., Rasool, H. & Verbrugge, B.

European Commission

1/05/18 → 31/10/21

EU546: IMAGE - Innovative Manufacturing Routes for Next Generation Batteries in Europe

Van Mierlo, J., Omar, N., Van Mierlo, J., Messagie, M., Smekens, J., Kuncham, M. & Berecibar, M.

European Commission

1/11/17 → 31/10/21

BRGRD25: Suppl BRGEOZ-financing: High performant Wide Band Gap Power Electronics for Reliable, energy efficient drivetrains and Optimization thRough Multi-physics simulation.

Hegazy, O., Van Mierlo, J., El Baghdadi, M. & Al Sakka, M.

1/05/18 → 31/10/21

VLAFLX1: ICON project Roll-Out of Local Energy Communities (ROLECS)

Coosemans, T., Oberthur, S., Messagie, M., Van Mierlo, J., Liem, J., Macharis, C., Heuninckx, S., Arapoglou, S., Söbech, Ó. & Vranckx, A.

1/01/19 → 30/09/21

EU517: ORCA - Optimised Real-world Cost-Competitive Modular Hybrid Architecture for Heavy Duty Vehicles (ORCA)

Hegazy, O., Van Mierlo, J., Van Mierlo, J., Omar, N., Messagie, M., Van Hoyweghen, S., Rahbari, O., De Sutter, L., Tran, D., Mayet, C., Varga, E. F., Geury, T. & Berecibar, M.

European Commission

1/10/16 → 30/09/21

EU524: Future Radar - Future Research, Advanced Development and Implementation Activities for Road Transport (FUTURE-RADAR)

Coosemans, T., Van Mierlo, J., Messagie, M., Arapoglou, S. & Berecibar, M.

1/01/17 → 31/12/20

EU545: HiFi-ELEMENTS : High Fidelity Electric Modelling and Testing

Hegazy, O., Van Mierlo, J., Messagie, M., Chakraborty, S., Lavigne Philippot, M. & Peng, W.

1/10/17 → 31/12/20

IOFPOC15: Proof of Concept: Modular battery management system for mobile and stationary applications

Van Mierlo, J. & Hegazy, O.

1/01/15 → 31/12/20

EU543: OBELICS - Optimization of scalaBle rEaltime modeLs and functional testing for e-drive ConceptS

Coosemans, T., Hegazy, O., Messagie, M., Van Mierlo, J., Firouz, Y., El Baghdadi, M., Khaleghi, S., Berecibar, M., Arapoglou, S., De Sutter, L. & Vranckx, A.

1/10/17 → 30/11/20

IOF1242: Financiering IOF-programma - GEAR II: Innovatieve modellen in het domein van duurzame mobiliteit en logistiek. Verlenging GEAR: Valorisatie van MOBI speerpunten: doorbraken in duurzame mobiliteit en logistiek.

Macharis, C., Van Mierlo, J. & Coosemans, T.

1/01/12 → 30/09/20

EU603: BATTERY 2030+ At the heart of a connected green society

Van Mierlo, J., Omar, N., Van Mierlo, J., Van Den Bossche, P. & Berecibar, M.

1/03/19 → 31/05/20

IOFPOC29: IOF Proof Of Concept: State of health estimation and prediction of batteries in next generation battery chargers

Van Mierlo, J., Omar, N. & Hegazy, O.

1/01/18 → 31/12/19

VLOV74: Audit strategic freight model version 4.2.1

Macharis, C., Guns, T., Van Mierlo, J., Van Lier, T., Mommens, K. & Ambra, T.

7/11/18 → 6/11/19

IWTSBO5: EMtechno: Emerging Technologies in Multiport Systems for Energy Efficient Drivetrains

Van Mierlo, J., Hegazy, O., Nazeraj, E. & El Baghdadi, M.

15/10/15 → 14/10/19

SOCMAAK10: ITHACA_infra: Infrastructure for thermal advanced characterization of drivetrain components

Van Mierlo, J. & Hegazy, O.

1/02/17 → 30/06/19

EU490: MOBILITY4EU - Action Plan for the Future of Mobility in Europe

Coosemans, T., Macharis, C., Van Mierlo, J., Keserü, I., Messagie, M. & Vranckx, A.

1/01/16 → 31/03/19

EU547: COLHD - Commercial vehicles using Optimised Liquid biofuels and HVO Drivetrains

Coosemans, T., Van Mierlo, J., Messagie, M., Berecibar, M. & Vranckx, A.

European Commission

1/11/17 → 15/03/19

OZR2931: System for Preparation, Assembly and Characterization (PAC) for Rechargeable Energy Storage Cells

Omar, N., Hubin, A., Gopalakrishnan, R., Timmermans, J. P., Van Mierlo, J. & Berecibar, M.

1/03/16 → 28/02/19

EU481: ELIPTIC - Electrification of public transport in cities

Coosemans, T., Van Mierlo, J., Hegazy, O. & Vranckx, A.

1/06/15 → 31/05/18

EU482: FiveVB - Five Volt Lithium Ion Batteries with Silicon Anodes produced for Next Generation Electric Vehicles (FIVEVB)

Omar, N., Van Mierlo, J., Berckmans, G. J., Coosemans, T., Smekens, J. & De Sutter, L.

1/05/15 → 30/04/18

BRGEOZ342: The organization of effective monitoring of pollutant emissions from engines to establish fraudulent practices during the homologation tests.

Coosemans, T., Van Mierlo, J., Van Hoyweghen, S., Hooftman, N. S. & Vranckx, A.
1/01/18 → 30/04/18

SOCMAAK6: PROFENSTO: Power reduction in oscillating drivetrains by fast energy storage

Van Mierlo, J., Vanderborght, B., Hegazy, O., Omar, N. & Coosemans, T.
1/02/16 → 31/01/18

IWT639: Battery Modelling of Lithium Chemistries Based on an Eclectic Approach

Omar, N., Timmermans, J. P., Van Mierlo, J., Van Mierlo, J., Van Mierlo, J., Hubin, A., Schoukens, J., Van Den Bossche, P., de Hoog, J., Nikolian, A., Fleurbaey, K., Goutam, S., Jaguemont, J. & Gopalakrishnan, R.
1/01/14 → 31/12/17

IWT639A: BATTLE: Battery Modelling of Lithium Chemistries Based on an Eclectic Approach

Van Mierlo, J., Omar, N., Timmermans, J. P., Jaguemont, J., Nikolian, A., de Hoog, J., Van Den Bossche, P. & De Sutter, L.
1/01/14 → 31/12/17

WDGO1294: EAFO - European Alternative Fuels Observatory

Coosemans, T., Van Mierlo, J., Messagie, M., Hooftman, N. S. & Vranckx, A.
18/09/15 → 17/09/17

IWT609: Real-life range estimation for electric vehicles, based on innovative predictive power consumption algorithms

De Cauwer, C., Coosemans, T. & Van Mierlo, J.
1/01/13 → 31/12/16

EU443: SYRNEMO - Synchronous Reluctance Motors for Electric Vehicles

Coosemans, T., Van Mierlo, J., Messagie, M. & Hernandez Rivas, M.
1/10/13 → 30/09/16

FEZ12: Masterplan for electrified transport for Belgium

Van Mierlo, J., Macharis, C., Lebeau, K., Messagie, M. & Jacqueumin, J.
20/09/11 → 20/09/16

EU438: BATTERIES2020: Towards Realistic European Competitive Automotive batteries.

Van Mierlo, J., Coosemans, T., Van Den Bossche, P., Timmermans, J. P., Capron, O., Gopalakrishnan, R., Omar, N., Goutam, S., Nikolian, A. & de Hoog, J.
1/09/13 → 31/08/16

IWT589: Optimisation of Lithium-Ion batteries based on modeling techniques.

Smekens, J., Van Mierlo, J. & Van Den Bossche, P.
1/03/12 → 29/02/16

EU411: OPERA4FEV: OPERating RACK For Full-Electric Vehicle

Van Mierlo, J., Coosemans, T., Sanfelix Forner, J. V., Messagie, M. & Van Den Bossche, P.
1/09/11 → 28/02/16

BRGEOZ195: A strategy for the implementation of a sustainable logistic concept for the city distribution of Brussels-Capital Region.

Macharis, C., Van Mierlo, J. & Lebeau, P.
1/01/12 → 31/12/15

BOR30: 4 day course on Life Cycle Assessment

Van Mierlo, J. & Messagie, M.

1/09/14 → 31/12/15

EU431: European electromobility Observatory - MOVE/C1/2012-383-1

Coosemans, T., Van Mierlo, J., Heyvaert, S., Van Den Bossche, P. & Vranckx, A.

5/12/12 → 4/12/15

IWT586: EVTecLab: Flemish EV Technological Laboratory

Van Mierlo, J., Coosemans, T., Heyvaert, S., Messagie, M. & De Cauwer, C.

1/01/12 → 30/11/15

EU442: GO4SEM : Global Opportunities for SMEs in Electro-Mobility.

Coosemans, T., Vanhaverbeke, L., Lebeau, K., Van Mierlo, J. & Alonso Gomez, A.

1/09/13 → 31/10/15

HERC8: TEST Bench for RESS (Batteries and capacitors) for the use in hybrid drive lines.

Van Mierlo, J., Van Den Bossche, P. & Omar, N.

22/10/10 → 21/10/15

BRGEOZ288: Support for EU proposal : SOLES - SoLAR ENERGY STORAGE with competitive batteries:

Omar, N., Coosemans, T. & Van Mierlo, J.

8/06/15 → 8/09/15

BRGEOZ268: BROAM: Analysis of the impact of EV and CNG vehicles in terms of environment, energy, mobility, infrastructure and socio-economic aspects.

Van Mierlo, J., Macharis, C., Messagie, M., Vanhaverbeke, L., De Clerck, Q. & Van Raemdonck, K.

1/11/14 → 30/04/15

EU424: UNPLUGGED

Van Den Bossche, P., Hegazy, O., Van Mierlo, J. & Coosemans, T.

1/10/12 → 31/03/15

IWT559: EVA - Electric Vehicles in Action (Living Labs EV)

Macharis, C., Heyvaert, S., Van Mierlo, J., Coosemans, T. & De Cauwer, C.

1/10/11 → 31/12/14

IWT553: iMOVE : innovation for electric mobility in Flanders (Living Labs EV)

Macharis, C., Van Mierlo, J., Coosemans, T., Heyvaert, S., Vliegen, J. & De Cauwer, C.

1/07/11 → 31/12/14

IWT630: Research for a Full Electric public transport bus with competitive TCO

Omar, N., Van Mierlo, J. & Coosemans, T.

1/11/11 → 31/12/14

IWT560: OLYMPUS:Electrical vehicles sharing services based on a B2B Service platform.(Platform Living Labs Electric Vehicles)

Macharis, C., Heyvaert, S., Van Mierlo, J. & Coosemans, T.

1/01/12 → 31/12/14

GOA70: The next car generation: barriers and opportunities. A Methodological basis for the analysis of the transition towards a more environmentally car fleet.

Macharis, C., Messagie, M., Van Mierlo, J. & Coosemans, T.

1/01/10 → 31/12/14

OZR2562: Global Opportunities for SMEs in Electro-Mobility

Coosemans, T., Van Mierlo, J., Alonso Gomez, A. & Vranckx, A.
1/11/13 → 31/10/14

EU418: Smart EV-VC: Smart Electric Vehicle Value Chains.

Coosemans, T., Van Mierlo, J., Vanhaverbeke, L., Alonso Gomez, A., Macharis, C., Van Den Bossche, P. & Vergels, F.
1/10/12 → 30/09/14

VLV176: Indicators for energy-efficiency of transport

Van Mierlo, J. & Messagie, M.
16/05/14 → 15/09/14

BRGEOZ272: Support for EU proposal : FIVEVB – Five Volt Lithium Ion Batteries with Silicon Anodes produced for Next Generation Electric Vehicles

Omar, N., Van Mierlo, J. & Coosemans, T.
23/06/14 → 28/08/14

EU383: SuperLIB: Smart Battery Control System based on a Charge-equilization Circuit for an advanced Dual-Cell battery for Electric Vehicles.

Van Mierlo, J., Coosemans, T., Messagie, M., Van Den Bossche, P. & Omar, N.
1/05/11 → 30/04/14

OZR2462: Bilateral cooperation in the framework of mutual doctoral projects - Bench fee Joint PhD VUB - Université de Caen

Van Den Bossche, P., Omar, N. & Van Mierlo, J.
1/01/13 → 31/12/13

EU363: SAFEDRIVE: A platform Power Management System and Low Voltage Drive Train for Hybrid and Electric Vehicle.

De Cauwer, C., Hegazy, O., Coosemans, T. & Van Mierlo, J.
1/08/10 → 1/12/13

IWT634: Development of optimisation model for charging infrastructure - Optigrind

Macharis, C., Van Mierlo, J. & Vanhaverbeke, L.
1/03/13 → 30/06/13

FEZ9: EV score board Belgium

Van Mierlo, J., Macharis, C., Van Den Bossche, P., Messagie, M. & Lebeau, K.
16/02/11 → 16/02/13

BRGEOZ121: Eco-efficiency of the Brussels mobility based on the Ecoscore methodology

Van Mierlo, J. & Sergeant, N.
1/01/08 → 31/10/12

BOAB11: Integrated modeling of electrochemical and electrostatic energy storage systems for vehicles

Van Den Bossche, P., Coosemans, T., Omar, N., Verbrugge, B. & Van Mierlo, J.
1/10/08 → 30/09/12

VLV171: Environmental report Flanders-2012 transport indicators (Sector transport, Upgrade environmental characteristics of the new vehicle fleet in Flanders until 2011)

Van Mierlo, J. & Messagie, M.
7/06/12 → 31/07/12

IWT499: Energy storage for machines

Van Mierlo, J., Hegazy, O., Coosemans, T., Nuri, A. & Van Den Bossche, P.

1/07/09 → 30/06/12

DWTC257: PROLIBIC - CLUSTER of the transport related projects PROMOCO, LIMOBEL, BIOSES and CLEVER : PROLIBIC

Macharis, C., De Witte, A., Macharis, C., Van Mierlo, J., De Vlieger, I. & Nautet, M.
15/12/09 → 31/01/12

DWTC255: TRANS2HOUSE: Transition pathways to efficient (electrified) transport for households

Van Mierlo, J., Macharis, C., Messagie, M., Van Mierlo, J., Six, D. & Van Den Zegel, S.
15/12/09 → 31/01/12

OZR1737: Mobility and automotive technology research.

Coosemans, T. & Van Mierlo, J.
1/01/09 → 31/12/11

IWT469: Hybrid transmission for Off-Highway Trucks

Van Mierlo, J., Coosemans, T., Culcu, H. & Van Den Bossche, P.
1/05/09 → 31/10/11

BRGEOZ118: Modalities of the reform of road tax based on the environmental performance of the vehicle

Macharis, C., Van Mierlo, J., Sergeant, N. & Turcksin, L.
7/09/07 → 7/09/11

VLV161: Environmental indicators Transport 2011

Van Mierlo, J. & Sergeant, N.
5/07/11 → 31/08/11

VLL64: (Milieu)potentieel van elektrisch rijden in Vlaanderen.

Van Mierlo, J., Lebeau, K., Macharis, C. & Messagie, M.
21/12/10 → 31/07/11

DWTC221: BIOSES: Biofuels Sustainable End use

Van Mierlo, J., De Ruyck, J., Sergeant, N., Wynen, V., Boureima, F., Bram, S., Macharis, C., Jossart, J. M., Pelkmans, L. & Ledent, J.
15/12/06 → 31/01/11

DWTC217: CLEVER: Clean Vehicle Research: LCA and Policy Measures

Macharis, C., Sergeant, N., Turcksin, L., Wynen, V., Messagie, M., Van Mierlo, J., Boureima, F., Bernardini, A., Denys, T., Govaerts, L., Hecq, W., Meyer, S., De Caemel, B. & De Vos, M.
1/01/07 → 31/01/11

IWT425: Development of a range of series-hybrid city buses.

Van Mierlo, J., Coosemans, T., Coosemans, T. & Van Hool, L.
1/11/08 → 31/12/10

GIFT68: GIFTEN aan Dienst ETEC "E-KART"

Timmermans, J. P. & Van Mierlo, J.
1/03/06 → 31/12/10

ADSI102: INTERNE OVERDRACHTEN

Van Mierlo, J.
11/10/05 → 31/12/10

BRGEOZ102: New technologies (supercapacitors) for energy storage and energy recuperation for a higher energy efficiency of the trams and buses of the public transportation company. Application to the MIVB/STIB in a context of reduction of the environmental pressure, energy consumption and operation costs.

Van Mierlo, J., Barrero Fernandez, R., Coosemans, T., Tackoen, X. & Leduc, B.
1/01/07 → 31/12/10

ADSP26: SPONSORING aan dienst ETEC : "E-KART"

Timmermans, J. P. & Van Mierlo, J.
1/03/06 → 31/12/10

VLV147: Environmental report (MIRA-T)

Message, M., Sergeant, N., Turcksin, L., Van Mierlo, J. & Macharis, C.
17/06/10 → 17/12/10

OZR2046: PhD Al Sakka Monzer funded by VUB and Université de Franche-Comte

Van Mierlo, J., Van Den Bossche, P. & Al Sakka, M.
1/10/07 → 30/09/10

DWTC179: Aviation and the Belgian Climate Policy : Analysis of Integration Options and Impacts

Van Lier, T., Matheys, J., Bernardini, A., Macharis, C., Van Mierlo, J., Hecq, W., Matthews, B., Meyer, S., Van Ypersele De Strihou, J. & Ferrone, A.
15/12/05 → 31/07/10

IWT375: Supercapacitors and power converters for reduction of energy consumption in propulsion systems

Van Mulders, F., Omar, N., Van Mierlo, J. & Van Den Bossche, P.
1/10/07 → 31/03/10

DWTC223: ESTIMATE: A behavioural analysis and examination of environmental implications of multimodal transportation choice

Van Mierlo, J., Macharis, C., Sergeant, N., Wynen, V., Wets, G. & Lannoy, P.
1/01/07 → 30/06/09

EU244: HyHEELS: Hybrid High Energy Electrical Storage

Matheys, J., Cheng, Y., Van Mierlo, J. & Van Den Bossche, P.
1/11/05 → 31/12/08

OZR1655: Assessment of cycle life of batteries when parallel connected to supercapacitors. Assessment of energy efficiency of these systems in stationary and non-stationary applications

Van Mulders, F., Culcu, H., Van Mierlo, J. & Van Den Bossche, P.
1/01/08 → 31/12/08

OZR1468: Emissions of aviation

Van Mierlo, J. & Matheys, J.
1/01/07 → 31/12/08

OZR1659: LCA of vehicles with alternative fuels and propulsion systems

Wynen, V., Van Mierlo, J., Sergeant, N. & Boureima, F.
1/01/08 → 31/12/08

OZR1657: Multimodal transport

Van Mierlo, J., Sergeant, N., Wynen, V. & Boureima, F.
1/01/08 → 31/12/08

OZR1658: Supercapacitors for public transport applications

Van Mierlo, J. & Barrero Fernandez, R.
1/01/08 → 31/12/08

OZR1470: Supercapacitors in hybrid propulsion systems

Van Mierlo, J. & Cheng, Y.

1/01/07 → 31/12/08

OZR1656: Sustainable energy use of bio fuels

Van Mierlo, J., Wynen, V., Boureima, F. & Sergeant, N.

1/01/08 → 31/12/08

ADSI93: Analysis and implementation of communication and diagnostic systems in higher order automotive hybrid drivetrain systems

Van Mierlo, J., Van Mulders, F. & Van Den Bossche, P.

1/07/05 → 30/09/08

VLW109: The future for hydrogen

Sergeant, N., Van Mierlo, J., Matheys, J. & Wynen, V.

13/09/07 → 12/09/08

IWT267: Electric bicycle for postal delivery

Matheys, J., Lataire, P., Sol, H., Timmermans, J. P., Van Mierlo, J. & Van Mulders, F.

1/09/05 → 31/03/08

OZR1469: Harmonization of Standards and Regulations for a sustainable Hydrogen and Fuel Cell technology

Van Den Bossche, P. & Van Mierlo, J.

1/01/07 → 31/12/07

OZR1534: OZR scholar ship

Van Mierlo, J. & Sergeant, N.

1/01/07 → 31/12/07

VLV97: MIRA report: alternative fuels

Matheys, J., Van Mierlo, J. & Timmermans, J. P.

6/07/05 → 16/12/07

EU216: INTELLICON: Intelligent DC/DC Converter for Fuel Cell Road Vehicles

Timmermans, J. P., Cheng, Y., Lataire, P. & Van Mierlo, J.

15/12/04 → 14/04/07

EU228: HARMONHY- Harmonization of Standards and Regulations for a sustainable Hydrogen and Fuel Cell technology

Matheys, J., Van Den Bossche, P. & Van Mierlo, J.

1/05/05 → 31/07/06

VLL31: update Ecoscore Methodology

Matheys, J., Timmermans, J. P. & Van Mierlo, J.

2/01/06 → 3/05/06

BRGEOZ65: Formation of traffic experts

Van Mierlo, J.

1/10/03 → 30/09/05

EU194: Sustainable batteries (SUBAT)

Matheys, J., Lataire, P., Van Den Bossche, P., Maggetto, G., Timmermans, J. P., Van Mierlo, J. & Van Autenboer, W.

1/01/04 → 31/03/05

VLV80: Development of an Environmental Rating Tool (Ecoscore) for Application in Policy measures

Van Mierlo, J., Timmermans, J. P. & Maggetto, G.

1/07/03 → 28/02/05

BRGEOZ73: Calculation of direct and indirect emissions and corresponding costs of airconditioning systems

Timmermans, J. P. & Van Mierlo, J.

1/11/04 → 31/01/05

BRGEOZ42: Traffic and emission model for urban mobility and sustainable development in the Brussels-Capital region; Policy measures based on environmental friendly vehicle technologies

Van Den Bossche, P., Maggetto, G. & Van Mierlo, J.

1/04/02 → 31/03/04

EU122: THEMATIC NETWORK ON FUEL CELLS AND THEIR APPLICATIONS FOR ELECTRIC & HYBRID VEHICLES

Van Den Bossche, P., Van Mierlo, J. & Maggetto, G.

1/12/00 → 30/11/03

EU91: PRAZE Personal zero emission transport for the city of the future.

Van Mierlo, J., Van Den Bossche, P., De Bisschop, E. & Maggetto, G.

1/04/00 → 1/03/03

EU94: E-TOUR : Electric Two-wheelers On Urban Roads

Van Den Bossche, P., Lataire, P., Maggetto, G. & Van Mierlo, J.

1/01/00 → 31/12/02

VLV43: Influence of driving behaviour on vehicle emissions and fuel consumption

Maggetto, G. & Van Mierlo, J.

1/03/01 → 31/03/02

BRGEOZ30: Aanbesteding voor diensten : Schone voertuigen.

Van Mierlo, J. & Maggetto, G.

1/03/01 → 31/12/01

DWTC33: Modular simulation of environmental-, energy and mobility aspects of the traffic policy.

Maggetto, G., Van Crombruggen, E., Van Mierlo, J. & Deloof, W.

1/12/97 → 31/12/00

CONO22: Organisation of EVS conference

Maggetto, G., Van Den Bossche, P. & Van Mierlo, J.

1/10/98 → 31/12/99

IWT20558: Hybrid electric fuelcell drive train for vehicles

Maggetto, G. & Van Mierlo, J.

1/05/95 → 31/07/98

BRGEOZ1: Rational energy use about the use of electrical and hybridical vehicles.

Maggetto, G. & Van Mierlo, J.

1/08/96 → 31/07/97

Press/Media (non comprehensive list with some examples - not updated on regular basis)

"IN KAART. Aantal elektrische auto's in Vlaanderen in jaar tijd verdubbeld: zoveel rijden er in uw gemeente rond" in Het Laatste Nieuws

Joeri Van Mierlo

14/02/24

1 Media contribution

"Test met duurzame waterstof taxi toont potentieel" in De Standaard

Joeri Van Mierlo
11/10/23
1 Media contribution

"Test met duurzame waterstof taxi toont potentieel, expert tempert verwachtingen" in Het Nieuwsblad

Joeri Van Mierlo
11/10/23
1 Media contribution

"Hoezo, elektrisch? Ook test met duurzame waterstof taxi toont potentieel, maar mobiliteitsexpert tempert verwachtingen" in het Nieuwsblad

Joeri Van Mierlo
10/10/23
1 Media contribution

"Expert Joeri Van Mierlo over kostprijs en nieuwe technologieën - Vijf vragen over elektrisch rijden" in De Zondag

Joeri Van Mierlo
10/09/23
1 Media contribution

"Vijf vragen over elektrisch rijden" in De Zondag

Joeri Van Mierlo
10/09/23
1 Media contribution

"Twijfel je over de aankoop van een elektrische wagen? Met deze 10 niet te missen stukken hak je de knoop door" in Het Laatste Nieuws

Joeri Van Mierlo
12/06/23
1 Media contribution

"Welke kritiek op elektrische wagens is terecht? Expert: "Vlamingen willen met hun auto naar het zuiden, maar ze rijden bijna nooit meer dan 40 km"" in het Laatste Nieuws

Joeri Van Mierlo
28/03/23
1 Media contribution

"Autosalon Brussel De Grote Vragen op het Autosalon: welke soort auto koop ik vandaag het best?" in Autogids

Joeri Van Mierlo
20/01/23
1 Media contribution

'De Tafel van Vier' op Play 4

Joeri Van Mierlo
12/01/23
1 Media contribution

"Is Vlaanderen klaar voor de elektrische revolutie? "Regering pakt mensen hun auto af zonder een alternatief te voorzien"" in Het Laatste Nieuws

Joeri Van Mierlo
17/12/22
1 Media contribution

"Eigenlijk zegt de regering: trek uw plan of betaal u blauw": is Vlaanderen klaar voor de elektrische revolutie?" in Het Laatste Nieuws

Joeri Van Mierlo
17/12/22
1 Media contribution

"Is Vlaanderen wel klaar voor de elektrische revolutie? Lage-emissiezones in steden" in De Morgen

Joeri Van Mierlo
16/12/22
1 Media contribution

"Is Vlaanderen klaar voor de elektrische revolutie? 'Regering pakt mensen hun auto af zonder een alternatief te voorzien" in De Morgen

Joeri Van Mierlo
15/12/22
1 Media contribution

'Iedereen een elektrische wagen, is dat wel zo evident?' in Knack

Joeri Van Mierlo
25/09/22
1 Media contribution

"Rijden we over vijf jaar allemaal elektrisch?" in Knack

Joeri Van Mierlo
23/09/22
1 Media contribution

"Rijden we over vijf jaar allemaal elektrisch?" Podcast Universiteit van Vlaanderen

Joeri Van Mierlo
22/09/22
1 Media contribution

"Europa helpt België barrières te slopen op weg naar meer elektrische wagen" in De Tijd

Joeri Van Mierlo
15/09/22
1 Media contribution

"Elektrisch rijden zonder kabels en laadpalen? Moet kunnen Autoconstructeur Nio werkt ook in Europa aan netwerk van batterijwisselstations" in De Morgen

Joeri Van Mierlo
27/07/22
1 Media contribution

"Daar komt de groene batterij Europa zet in op een duurzame productie" in Knack

Joeri Van Mierlo
15/06/22
1 Media contribution

"Nauwelijks opladen, en sturen wordt een optie Zo ziet uw elektrische auto in 2030 eruit" in Knack

Joeri Van Mierlo
15/12/21
1 Media contribution

"Knack Club Nauwelijks opladen, en sturen wordt een optie" in Knack

Joeri Van Mierlo
14/12/21
1 Media contribution

"Aantal laadpalen vertienvoudigd op jaar tijd" in BRUZZ

Joeri Van Mierlo
5/10/21
1 Media contribution

"Veel te weinig laadpalen: 'Brussel is nog lang niet klaar voor de elektrische revolutie'" in BRUZZ

Joeri Van Mierlo
27/05/21
1 Media contribution

"Waterstofauto krijgt elektrische schok" in De Standaard

Joeri Van Mierlo
23/01/21
1 Media contribution

"Hout, waterstof, elektriciteit of methanol: wat is de brandstof van de toekomst? Zoektocht naar alternatieve brandstoffen gaat nog alle richtingen uit" in Gazet van Antwerpen

Joeri Van Mierlo
19/10/19
1 Media contribution

"Over 5 jaar wil u alleen nog elektrisch rijden" in Het Laatste Nieuws

Joeri Van Mierlo
6/05/19
1 Media contribution

"Diesel nog niet afgeschreven, maar de toekomst is elektrisch" in Fleet

Joeri Van Mierlo
27/02/19
1 Media contribution

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"Tous à la voiture électrique? Pas pour demain" on JT 19h30 RTBF

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"Tous à la voiture électrique? Pas pour demain" on RTBF online

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"China daagt 'nostalgisch' Europa uit" in De Standaard

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"Eerste elektrische laadpalen in Brussel: 'Hopelijk moedigt dit mensen aan'" in BRUZZ

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"Wat als alle auto's elektrisch worden?" op VRT NWS

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Is de elektrische auto wel zo eco? in De Standaard

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Elon en de batterijfabriek" in De Tijd

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"De doorbraak van de elektrische auto is onvermijdelijk" in Knack

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Stap ik al over op een elektrische auto?

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We worden in snelheid genomen door China

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"10 jaar MOBI: kwaliteit boven kwantiteit", VUB Today

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"10 jaar MOBI: kwaliteit boven kwantiteit" in HENRI

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"Eerst de elektrische auto opladen om daarna op de batterij van de auto te gaan koken", Nieuwe feiten, Radio 1.

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"1.500 windmolens nodig om helemaal groen te rijden" in De Standaard

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"CO2-uitstoot op lokaal niveau meten? Dat kan eigenlijk niet" in De Morgen

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"Hoelang zijn hybriden nog fiscaal voordelig?" in De Morgen

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Interview "Iedereen rijdt elektrisch" voor Terzake - Canvas - VRT

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'BETAALBARE' TESLA LUIDT NIEUW TIJDPERK IN Elektrisch rijden in stroomversnelling, De Standaard

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"Gespreid laden om groener te tanken" in M-Blad

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"Belg is klimaatbewust, maar twijfelt toch over elektrische wagen" in Mo-magazine

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Electric vehicle interview on TV channel "Ukraine"

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Zelfrijdende auto's, Hautekiet, Radio 1

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Geen tekort aan grondstoffen voor batterijen, De Morgen

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Waterstofwagen wint terrein, De Standaard

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Electric driving: sparking your interest, Open Enloc: European Logistic Network

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GM klopt Tesla op eigen terrein, De Standaard

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Is er toekomst voor een elektrische SUV?, VRT Journaal Eén

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Elektrische SUV Audi past perfect in strategie van innovatie, VRT Radio 1

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U vraagt - Mobiliteitsexpert Joeri Van Mierlo, Knack

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Er is een alternatief voor de dieselmotor, De Redactie, VRT

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Wat als morgen iedereen elektrisch rijdt?, Het Laatste Nieuws

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Hou ook rekening met andere emissies, De Standaard

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Fijnstofstudie e-auto 'waardeloos', De Tijd

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Your car will be a storage location for energy

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VUB-studenten maken bierrobot, TV Brussel

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VUB-research team tests electric vehicles

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VUB researchers install data logging in plug-in hybrids

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21000 charging poles in Belgium in 7 years

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Diesel car not for the city

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Don't buy diesel vehicle for city traffic

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Vous roulez en ville N achetez pas un diesel

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No electric vehicles without infrastructure

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Wagens op de weegschaal

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Elektrisch rijden neemt trage start: De elektrische wagen in ons land heeft dringend een duwtje in de rug nodig

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Electric karts at Brussels motor show

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Welke technologie maakt meeste kans?'Graag een gepast fiscaal systeem'

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Ontdek de Ecoscore van uw wagen

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Ecoscore defines clean vehicles

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