

| tw        | ITD | Domain | number | Type of Activities  | Main Leader  | Title  | Date/Period                  | Place                  | Type of Audience               | Size of Audience | Countries Addressed | Permanent identifiers4 (if available)   | open access provided to this publication?                                 |
|-----------|-----|--------|--------|---|--|--|------------------------------|------------------------|--------------------------------|------------------|---------------------|---|---|
| Clean Sky | SGO |        | 1      | Oral presentation and poster support to 12th IEEE Workshop on Control and Modeling for Power Electronics,   | Yang Ji, Pfeiffer, A. J. Bals  | Optimization based Steady-State Analysis of Switched Power Electronic Systems                                      | 2010                         | Boulder (USA)          | Scientific community, Industry | >100             | International       | ISBN: 978-1-4244-7461-5   |   |
| Clean Sky | SGO |        | 2      | Oral presentation and poster support to the 3rd IEEE International Conference on Computer Science and Information Technology (ICCSIT)               | Johann Bals, Yang Ji   | Novel Modelica Signal Analysis Tool towards Design of More Electric Aircraft                                       | 2010                         | Chendu (China)         | Scientific community, Industry | >200             | International       | ISBN: 978-1-4244-5540-9   |   |
| Clean Sky | SGO |        | 3      | Oral presentation with power point support  | Rouwhorst, Wilfred   | GSFAF in Cleansky  | Dutch Cleansky event 2010    | Nootdorp (Netherlands) | Scientific community, Industry | >100             | International       |   |   |
| Clean Sky | SGO |        | 4      | Oral presentation and technical paper to the International Mechanical Engineering Congress & Exposition IMECE 2010                                  | Hasan Zolata, Cesar Celis, Vishal Sethi, Riti Singh, Zammitt-Mangion   | A Multi-Criteria Simulation Framework for Civil Aircraft Trajectory Optimisation                                   | ASME 2010                    | Vancouver (Canada)     | Scientific community, Industry | >200             | International       | ISBN: 978-0-7918-4425-0   |   |
| Clean Sky | SGO |        | 5      | Oral presentation and technical paper to the 9th International Power and Energy Conference IPEC   | Yang Ji, Bals, Pfeiffer, Johan A.  | Multi-level power quality assessment towards virtual testing of more electric aircraft                             | IPEC 2010                    | Singapore (Singapore)  | Scientific community, Industry | >200             | International       | ISBN: 978-1-4244-7398-4   | <a href="http://articles4.ie.org/2918/">http://articles4.ie.org/2918/</a> |
| Clean Sky | SGO |        | 6      | Oral presentation and technical paper to the International MultiConference of Engineers and Computer Scientists 2011                                | Johann Bals, Ji, Yang  | Physical Modeling of Switched Reluctance Motors using Modelica   | IMECS 2011                   | Hong Kong              | Scientific community, Industry | >200             | International       | ISBN : 978-988-19251-2-1  |   |
| Clean Sky | SGO |        | 7      | Conference paper & presentation to the Tyrrhenian International Workshop on Digital Communications - Enhanced Surveillance of Aircraft and Vehicles | Alberto Lupidi, Christian Moscardini, Andrea Garzelli, Fabrizio Berizzi, Cuccoli, Marcello Bernabò                                   | Polarimetry applied to avionic weather radar: improvement on meteorological phenomena detection and classification | TIWDC/ESAV 2011              | Capri (Italy)          | Scientific community, Industry | >100             | International       | ISBN: 978-88-903482-3-5   |   |
| Clean Sky | SGO |        | 8      | Oral presentation and technical paper to the 8th International Modelica Conference  | Christian Schallert  | Inclusion of reliability and safety analysis methods in Modelica   | Modelica Conference          | Dresden (Germany)      | Scientific community, Industry | >200             | International       | ISBN: 978-91-7393-096-3   |   |
| Clean Sky | SGO |        | 9      | Oral presentation and technical paper to the 8th International Modelica Conference  | Schlabe Daniel, Bunte Tilmán, Knostmann Tobias   | A scade suite to Modelica interface  | Modelica Conference          | Dresden (Germany)      | Scientific community, Industry | >200             | International       | ISBN: 978-91-7393-096-3   |   |
| Clean Sky | SGO |        | 10     | Oral presentation to the SAE 2011 - International Conference on Aircraft and Engine Icing and Ground De-icing                                       | François Larue   | Clean Sky, Systems for Green Operations - Electrical Ice Protection Systems  | SAE 2011                     | Illinois (USA)         | Scientific community, Industry | >200             | International       |   |   |
| Clean Sky | SGO |        | 11     | Oral presentation and technical paper to the SAE Aerotech Conference  | Hugo Pervier, Devajah Nallanda, Ramon Espi, Vishal Sethi, Pericles Piliadis, David Zammitt-Mangion, Jean-Michel Rogero, Ricardo Entz | Application of Genetic Algorithm for preliminary trajectory Optimization   | SAE 2011 Aerotech Conference | Toulouse (France)      | Scientific community, Industry | >200             | International       | doi:10.4271/2011-01-2594  |   |
| Clean Sky | SGO |        | 12     | Oral presentation and technical paper to the SAE 2011 International Conference on Aircraft and Engine Icing and Ground Deicing                      | Moser R., Gent R.  | Analysis for the design and test of an ice protection system for a scoop intake                                    | SAE 2011                     | Chicago (USA)          | Scientific community, Industry | >200             | International       | <a href="https://doi.org/10.4271/2011-38-0055">https://doi.org/10.4271/2011-38-0055</a> |   |
| Clean Sky | SGO |        | 13     | Oral presentation and technical paper to the SAE 2011 International Conference on Aircraft and Engine Icing and Ground Deicing                      | Hatch C., Moser R., Gent R., Hicks P.  | The Building Blocks for a Hybrid ElectroThermal-ElectroMechanical Simulation Tools                                 | SAE 2011                     | Chicago (USA)          | Scientific community, Industry | >200             | International       | <a href="https://doi.org/10.4271/2011-38-0035">https://doi.org/10.4271/2011-38-0035</a> |   |
| Clean Sky | SGO |        | 14     | Oral presentation and technical paper to the 1st international conference in automation in command and control systems by HALA!                     | Manuel Soler, Alberto Olivares, Ernesto Staffetti, Jesus Cegarra   | Optimal 4D Strategic Trajectory Planning in ATM  | ATACCS2011                   | Barcelona (Spain)      | Scientific community, Industry | >200             | International       | ISBN: 978-2-917490-14-3   |   |

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| Clean Sky | SGO |  | 15 | Oral presentation and technical paper to the 3rd International Workshop on Aircraft System Technologies   | Walper, Guenter   | Technology Demonstration for Aircraft Energy Systems  | AST 2011   | Hamburg (Germany)  | Scientific community, Industry | >100                           | International | ISBN:978-3832299040   |                                    |  |
| Clean Sky | SGO |  | 16 | Oral presentation and technical paper to the 19th IASTED International Conference on Applied Simulation and Modelling   | Yang Ji, Johann Bals  | Modelling and Control Design of Switched Reluctance Machines using Modelica   | ASM 2011   | Crete (Greece)   | Scientific community, Industry | >100                           | International | ISBN: 978-0-88986-764-2   |                                    |  |
| Clean Sky | SGO |  | 17 | Oral presentation to the 25th IFIP TC7 Conference on System Modeling and Optimization   | Rafael Fernandes de Oliveira, Christof Biskens  | Towards real-time flight trajectory optimization: a practical case study  | 25th IFIP TC7 Conference on System Modeling and Optimization - 2011  | Berlin (Germany)   | Scientific community, Industry | >100                           | International |   |                                    |  |
| Clean Sky | SGO |  | 18 | Oral presentation and technical paper to the SAE 2011 Aerospace Technology Conference and Exposition  | Rafael Fernandes de Oliveira, Christof Biskens  | On-Board Trajectory Optimization of RNAV Departure and Arrival Procedures Concerning Emissions and Population Annoyance | SAE 2011   | Toulouse (France)  | Scientific community, Industry | >100                           | International | doi:10.4271/2011-01-2595  | International Journal of Aerospace |  |
| Clean Sky | SGO |  | 19 | Oral presentation and technical paper to the Air & Space conference, 21st AIDAA congress  | Rafael Fernandes de Oliveira and Christof Biskens   | Emission-optimal flight trajectories with weather hazard avoidance and 4D wind modeling                                 | CEAS 2011  | Venice (Italy)   | Scientific community, Industry | >100                           | International | ISBN: 9788896427187   |                                    |  |
| Clean Sky | SGO |  | 20 | Oral presentation and technical paper to the 9th IEEE International Conference on Power Electronics and Drive Systems   | Y. Ji and J. Bals   | Optimal Control Design for Switched Reluctance Machines with Right-sized Modelling                                      | 9th IEEE International Conference on Power Electronics and Drive Systems - 2011                                      | Singapore  | Scientific community, Industry | >200                           | International | ISBN: 978-1-61284-999-7   |                                    |  |
| Clean Sky | SGO |  | 21 | Oral presentation and technical paper to the 9th IEEE International Conference on Power Electronics and Drive Systems   | Martin R. Kuhn  | Advanced generator design using Pareto-optimization   | 9th IEEE International Conference on Power Electronics and Drive Systems - 2011                                      | Singapore  | Scientific community, Industry | >200                           | International | ISBN: 978-1-61284-999-7   |                                    |  |
| Clean Sky | SGO |  | 22 | Oral presentation to the University of Nottingham PEMC Research Group Annual Conference   | Mohand Hamiti   | A high performance traction machine for aircraft application  | 2011 PEMC Research Group Annual Conference   | Nottingham (UK)  | Scientific community, Industry | >100                           | International |   |                                    |  |
| Clean Sky | SGO |  | 23 | Oral presentation to the Dutch mini-symposium on  | Wilfred Rouwhorst<br>wilfred.rouwhorst@nir.nl   | Green Continuous Descent Operations (CDO's)   | 2012 Dutch mini-symposium  | Amsterdam (Netherlands)                                      | Scientific community, Industry | >100                           | International |   |                                    |  |
| Clean Sky | SGO |  | 24 | Oral presentation and technical paper to the 5th International Conference on Research in Air Transportation   | de Jong Paul M. A.,<br>Bussink Frank J. L.,<br>de Gelder Nico,<br>Verhoeven Ronald P. M.,<br>Mulder Max | Time and Energy Management during Descent and Approach for Aircraft   | ICRAT 2011   | Berkeley (California)  | Scientific community, Industry | >200                           | International | <a href="http://www.icrat.org/icrat/5th-international-conference/">http://www.icrat.org/icrat/5th-international-conference/</a>   |                                    |  |
| Clean Sky | SGO |  |    | Oral presentation and technical paper to the 13th International Radar Symposium   | A. Lupidi,<br>Facheris,<br>Cuccoli  | Digital Pulse Compression Waveform Applied to Avionic Polarimetric Weather Radar  | IRS 2012   | Warsaw (Poland)  | Scientific community, Industry | >100                           | International | ISBN: 978-1-4577-1837-3   |                                    |  |
| Clean Sky | SGO |  | 25 | Oral presentation and technical paper to the IET International Conference on Radar Systems  | G. Amisano,<br>Capsoni,<br>D'Amico,<br>Bandinelli,<br>Milani,<br>Vries,<br>E. Itcia,<br>Wasselijn       | Cleopatra: A novel approach to airborne radar simulation  | RADAR 2012 conference  | Glasgow (UK)   | Scientific community, Industry | >100                           | European      | ISBN: 978-1-84919-676-5   |                                    |  |
| Clean Sky | SGO |  | 26 | Oral presentation to the Dutch mini-symposium   | Dennis Zeilstra,<br>dennis.zeilstra@aeronamic.com   | Light-weight starter/generator for helicopter application   | 2012 Dutch mini-symposium  | Amsterdam (Netherlands)                                      | Scientific community, Industry | >100                           | International | <a href="http://www.nlr.org/news/nlr-participates-in-four-clean-sky-projects-and-the-technology-evaluator/">http://www.nlr.org/news/nlr-participates-in-four-clean-sky-projects-and-the-technology-evaluator/</a> |                                    |  |
| Clean Sky | SGO |  | 27 | Oral presentation and technical paper to the International Conference on Electrical Machines  | M. Geest,<br>Polinder,<br>Ferreira,   | H. J. D. Zeilstra   | Optimization and Comparison of Electrical Machines using Particle Swarm Optimization                                 | ICEM 2012  | Marseille (France)             | Scientific community, Industry | >100          | International   | ISBN: 978-1-4673-0143-5            |  |
| Clean Sky | SGO |  | 28 | Oral presentation and technical paper to the Young Researchers Symposium 2012   | Martin van der Geest  | Design Considerations for Hybrid-Excited Flux-Switching Machines  | Young Researchers Symposium 2012   | Delft (Netherlands)  | Scientific community, Industry | >100                           | International |   |                                    |  |
| Clean Sky | SGO |  | 29 | Oral presentation and technical paper to the Ninth European Conference on Noise Control   | S. J. Hebly,<br>Arntzen,<br>Simons  | M. Dick G.  | A weather dependent noise contour prediction concept: combining a standard method with ray tracing                   | EURONOISE 2012<br>Prague, Czech Republic,<br>10-13 June 2012 | Prague (Czech Republic)        | Scientific community, Industry | >100          | International   | ISBN: 9788001050132                |  |
| Clean Sky | SGO |  | 30 | Oral presentation and technical paper to the R3ASC12 International Conference   | SEEMANN Sebastian,<br>CHRISTMANN Markus,<br>JANKER Peter  | Control and monitoring concept for a fault-tolerant electromechanical actuation system                                  | R3ASC12  | Toulouse (France)  | Scientific community, Industry | >100                           | International | ISBN: 9782876490628   |                                    |  |
| Clean Sky | SGO |  | 31 | Oral presentation and technical paper to the 13th International Conference on New Actuators & 7th International Exhibition on Smart Actuators and Drive Systems | A. Naubert,<br>M. Christmann,<br>P. Janker  | Pyrotechnic Jam-Relief Mechanism for Electromechanical Actuators in Flight Control Applications                         | Actuator 2012 Conference   | Bremen (Germany)   | Scientific community, Industry | >100                           | International | ISBN: 978-3-933339-19-5   |                                    |  |
| Clean Sky | SGO |  | 32 | Oral presentation and technical paper to the R3ASC12 International Conference   | M. Rottach,<br>C. Gerada,<br>W. Wheeler,<br>T. Hamiti   | P   | Optimisation of an Aerospace Electromechanical Actuator with Focus on Non-Linear Modelling of the Electrical Machine | R3ASC12  | Toulouse (France)              | Scientific community, Industry | >100          | International   | ISBN: 9782876490628                |  |

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| Clean Sky | SGO |  | 33 | Oral presentation and technical paper to the 7th International Power Electronics and Motion Control Conference  | Tao Yang, Bozhko, Asher, Serhij Greg   | Dynamic Phasor Modeling of Autotransformer Rectifier Units for More Electric Aircraft                         | IPEMC 2012   | Harbin (China)           | Scientific community, Industry | >100 | International | ISBN: 978-1-4577-2085-7   |
| Clean Sky | SGO |  | 34 | Oral presentation and technical paper to the AIAA Guidance, Navigation, and Control Conference  | R. Fernandes de Oliveira, C. Biskens.  | Benefits of Optimal Flight Planning on Noise and Emissions Abatement at the Frankfurt Airport                 | AIAA GNC conference 2012.  | Minneapolis (Minnesota)  | Scientific community, Industry | >100 | International | ISBN: 978-1-60086-938-9   |
| Clean Sky | SGO |  | 35 | Oral presentation and technical paper to the AIAA GNC/MST conference  | Matthew Xuereb, Kenneth Chircop, David Zammit-Mangion  | GATAC – A Generic Framework for Multi-Parameter Optimization of Flight Trajectories                           | AIAA GNC/MST conference, August 2012   | Minneapolis (Minnesota)  | Scientific community, Industry | >100 | International | ISBN: 978-1-62410-183-0   |
| Clean Sky | SGO |  | 36 | Oral presentation and technical paper to the AIAA GNC/MST conference  | M. Sammut, Mangion, D. Zammit R. Sabatini  | Optimization of Fuel Consumption in Climb Trajectories using Genetic Algorithm Techniques                     | AIAA GNC/MST conference, August 2012   | Minneapolis (Minnesota)  | Scientific community, Industry | >100 | International | ISBN: 978-1-60086-938-9   |
| Clean Sky | SGO |  | 37 | Oral presentation and technical paper to the AIAA GNC/MST conference  | William Camilleri, Kenneth Chircop, Zammit-Mangion, Roberto Sabatini, Vishal Sethi                     | Design and Validation of a Detailed Aircraft Performance Model for Trajectory Optimization                    | AIAA GNC/MST conference, August 2012   | Minneapolis (Minnesota)  | Scientific community, Industry | >100 | International | ISBN: 978-1-62410-183-0   |
| Clean Sky | SGO |  | 38 | Oral presentation and technical paper to the SAE power system conference  | Daniel Schlabe, Sielemann, Schallert, Zimmer, Yang Ji, Bals, Michael Christian Dirk Martin Kuhn Johann | Towards a Model-Based Energy System Design Process  | SAE 2012   | Phoenix (Arizona)        | Scientific community, Industry | >100 | International | DOI : 10.4271/2012-01-2219  |
| Clean Sky | SGO |  | 39 | Oral presentation and technical paper to the 31st Digital Avionics Systems Conference   | . Serafino, Mininel, M. Nolic, Ukovich, Pedroncelli, S. G. Stecco, W. G.                               | Effects of weather condition on aircraft emission in climb phase  | (DASC 2012)  | Williamsburg (USA)       | Scientific community, Industry | >100 | International | ISBN: 9781467316996   |
| Clean Sky | SGO |  | 40 | Oral presentation and technical paper to the 12th AIAA Aviation Technology, Integration, and Operations (ATIO) Conference and 14th AIAA/ISSMO Multidisciplinary Analysis and Optimization Conference, Aviation Technology, Integration, and Operations (ATIO) Conferences | Michael Arntzen, Sander Heblly, Dick Simons  | A weather dependent noise contour prediction concept: Calculating multi-event noise contours with ray-tracing | 14th AIAA/ISSMO 2012   | Indianapolis (USA)       | Scientific community, Industry | >100 | International | ISBN: 978-1-60086-930-3   |
| Clean Sky | SGO |  | 41 | Oral presentation and technical paper to the SAE 2012 Power Systems Conference  | Kuhn M., Bals, J., Reki M.   | Modelling and Use of an Aircraft El. Network Sim. for Harmonics Consideration in Generator Design             | SAE 2012   | Phenix (Arizona, USA)    | Scientific community, Industry | >100 | International | doi:10.4271/2012-01-2220  |
| Clean Sky | SGO |  | 42 | Oral presentation and technical paper to the SAE 2012 Power Systems Conference  | Yang T., G., Asher, Bozhko, S.   | Modeling of an 18 Pulse Autotransformer Rectifier Unit with Dynamic Phasors                                   | SAE 2012   | Phenix (Arizona, USA)    | Scientific community, Industry | >100 | International | doi:10.4271/2012-01-2159  |
| Clean Sky | SGO |  | 43 | Oral presentation and technical paper to the SAE 2012 Power Systems Conference  | Bozhko S., T., Yang, Asher, G.   | Application of Dynamic Phasors for Modeling of Active Front End Converter for More Electric Aircraft          | SAE 2012   | Phenix (Arizona, USA)    | Scientific community, Industry | >100 | International | doi:10.4271/2012-01-2157  |
| Clean Sky | SGO |  | 44 | Oral presentation and technical paper to the Electrical Systems for Aircraft, Railway and Ship Propulsion Conference  | T. Yang, Bozhko, Asher, S. V. G. M.  | Modeling of Uncontrolled Rectifiers Using Dynamic Phasors   | ESARS 2012   | Bologna (Italy)          | Scientific community, Industry | >100 | International | ISBN: 978-1-4673-1370-4   |
| Clean Sky | SGO |  | 45 | Oral presentation and technical paper to the Electrical Systems for Aircraft, Railway and Ship Propulsion Conference  | S. Seemann, Rottach, Bozhko, M. S. C. Schiege  | Modeling of a Fault-Tolerant Electromechanical Actuation System for Helicopters using Modelica                | ESARS 2012   | Bologna (Italy)          | Scientific community, Industry | >100 | International | ISBN: 978-1-4673-1370-4   |
| Clean Sky | SGO |  | 46 | Oral presentation and technical paper to the 13th ODAS Conference   | TÖBBEN Helmut  | The impact of new propulsion systems: Benefit of the Electric Taxi powered by a fuel cell                     | 13th ODAS Conference   | Palaiseau (France)       | Scientific community, Industry | >100 | International | <a href="http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10204/296_read-931#/gallery/2079">http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10204/296_read-931#/gallery/2079</a> |
| Clean Sky | SGO |  | 47 | Conference Paper and oral presentation to the TRB 92nd Annual Meeting   | Richard Wollenheit, Thorsten Mühlhausen  | Operational and environmental assessment of the electric taxi based on fast-time simulation                   | TRB 92nd Annual Meeting  | Washington D.C. (USA)    | Scientific community, Industry | >200 | International | <a href="https://doi.org/10.3141/2336-05">https://doi.org/10.3141/2336-05</a>   |
| Clean Sky | SGO |  | 48 | Conference Paper and oral presentation to the IEEE/AIAA 32nd Digital Avionics Systems Conference  | P. M. A. de Jong, F. J. L. Bussink, R. P. M. Verhoeven, M. Mulder, N. de                               | Time and Energy Management during Descent and Approach: Human vs. Automated Response                          | DASC 2013  | East Syracuse (New York) | Scientific community, Industry | >300 | International | ISBN: 978-1-4799-1538-5   |
| Clean Sky | SGO |  | 49 | Conference Paper and oral Presentation to the 4th International Workshop on Aircraft System Technologies  | Naubert A., Christmann M., Jänker, P., H. Binz   | ANTI-JAMMING PYROMECHANISM FOR ELECTROMECHANICAL ACTUATORS  | 4th International Workshop on Aircraft System Technologies (AST 2013), April 23-24, 2013, Hamburg, Germany | Hamburg (Germany)        | Scientific community, Industry | >100 | International | ISBN: 9783844018509   |

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| Clean Sky | SGO |  | 50 | Oral presentation to the X-Noise conference   | E-mail : gilles.poussin@fr.thalesgroup.com / sebastien.vial@airbus.com | SGO WP3.4 concepts presentation to X-Noise  | X-noise conference 2013.               | 2013                   | Scientific community, Industry | >100 | International |   |  |
| Clean Sky | SGO |  | 51 | Oral presentation and technical paper to the 20th International Congress on Sound and Vibration 2013                            | HG Visser, Hartjes   | NOISE ABATEMENT DEPARTURE TRAJECTORY OPTIMIZATION USING A GENETIC ALGORITHM   | ICSV 2013                              | Bangkok (Thailand)     | Scientific community, Industry | >300 | International | ISBN: 978-1-62993-150-0   |  |
| Clean Sky | SGO |  | 52 | Oral Presentation and technical paper to the European Navigation Conference (ENC) 2013  | A. Gardi, Sabatini, Ridder, Ramasamy, Rodriguez Salazar                | Automated Intent Negotiation and Validation System for 4-Dimensional Trajectory Based Operations  | ENC 2013                               | Vienna (Austria)       | Scientific community, Industry | >200 | International | <a href="http://www.enc2013.org/index.php/enc/proceedings">http://www.enc2013.org/index.php/enc/proceedings</a> |  |
| Clean Sky | SGO |  | 53 | Oral Presentation and technical paper to the European Navigation Conference (ENC) 2013  | S. Ramasamy, Sabatini, Y. Liu  | A Novel Flight Management System for SESAR Intent Based Operations  | ENC 2013                               | Vienna (Austria)       | Scientific community, Industry | >200 | International | <a href="http://www.enc2013.org/index.php/enc/proceedings">http://www.enc2013.org/index.php/enc/proceedings</a> |  |
| Clean Sky | SGO |  | 54 | Oral Presentation and technical paper to the AIAA Guidance, Navigation and Control Conference                                   | S. Ramasamy, Sabatini, Y. Liu  | Novel Flight Management System for Real-Time 4-Dimensional Trajectory Based Operations.   | AIAA GNC 2013                          | Boston (Massachusetts) | Scientific community, Industry | >400 | International | ISBN: 978-1-62410-224-0   |  |
| Clean Sky | SGO |  | 55 | Oral Presentation and technical paper to the AIAA Guidance, Navigation and Control Conference                                   | A. Gardi, Ridder, S. Ramasamy  | 4-Dimensional Trajectory Negotiation and Validation System for the Next Generation Air Traffic Management                               | AIAA GNC 2013                          | Boston (Massachusetts) | Scientific community, Industry | >400 | International | ISBN: 978-1-62410-224-0   |  |
| Clean Sky | SGO |  | 56 | Oral Presentation and technical paper to the SAE 2013 Aerotech Congress & Exhibition  | Ravinka Seresinha, Craig Lawson, Roberto Sabatini                      | Environmental Impact Assessment, on the Operation of Conventional and More Electric Large Commercial Aircraft                           | SAE 2013                               | Montreal (Canada)      | Scientific community, Industry | >100 | International | doi: 10.4271/2013-01-2086   |  |
| Clean Sky | SGO |  | 57 | Oral Presentation and technical paper to the 48th International Universities' Power Engineering Conference                      | F. Gao, Bozhko, G. Asher   | Control design for PMM starter-generator operated in flux-weakening mode  | UPEC 2013                              | Dublin (Ireland)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-3254-2   |  |
| Clean Sky | SGO |  | 58 | Oral Presentation and technical paper to the 5th IEEE Annual International Energy Conversion Congress and Exhibition            | M. Rottach, Gerada, Wheeler  | Evaluation of Motor-Drive Segmentation Strategies for Fault-Tolerance   | ECCE 2013                              | Melbourne (Australia)  | Scientific community, Industry | >100 | International | ISBN: 9781479904822   |  |
| Clean Sky | SGO |  | 59 | Oral Presentation and technical paper to the 48th International Universities' Power Engineering Conference                      | Yeoh Seang Shen, Linying Xia, Bozhko, Serhiy Greg Asher                | Stability Analysis of Aircraft Electrical Power System with Active Front Rectifier System in Generation Channel                         | UPEC 2013.                             | Dublin (Ireland)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-3254-2   |  |
| Clean Sky | SGO |  | 60 | Oral Presentation and technical paper to the Power and Energy Engineering Conference (APPEEC)                                   | Jing Li, Thomas, Sumner, Christopher, Cao                              | Arc fault studies and modeling for a DC distribution system   | 2013 IEEE-APPEEC (PES Asia-Pacific)    | Hong Kong              | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-2522-3   |  |
| Clean Sky | SGO |  | 61 | Oral Presentation and technical paper to the 15th European Conference on Power Electronics and Applications (EPE)               | Lei Shen, Asher, Wheeler, Bozhko                                       | Optimal LCL Filter Design for 3-phase Space Vector PWM Rectifiers on Variable Frequency Aircraft Power System                           | EPE 2013.                              | Lille (France)         | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-0116-6   |  |
| Clean Sky | SGO |  | 62 | Oral Presentation and technical paper to the Grand Challenges on Modeling and Simulation Conference                             | Sharmila Sumsurooah, Milijana Odavic, Dushan Boroyevich                | Modelling and Robust Stability Analysis of Uncertain Systems  | GCMS 2013                              | Toronto (Canada)       | Scientific community, Industry | >200 | International | ISBN: 978-1-62748-275-2   |  |
| Clean Sky | SGO |  | 63 | Oral Presentation and technical paper to the 15th European Conference on Power Electronics and Applications (EPE)               | Tao Yang, Serhiy Bozhko, Greg Asher                                    | Multi-Generator System Modelling Based on Dynamic Phasor Concept  | EPE 2013.                              | Lille (France)         | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-0116-6   |  |
| Clean Sky | SGO |  | 64 | Oral Presentation and technical paper to the 2013 IEEE International Electric Machines & Drives Conference                      | M. Galea, Hamiti, Gerada   | Torque Density Improvements for High Performance Machines   | IEMDC 2013.                            | Chicago (USA)          | Scientific community, Industry | >230 | International | ISBN: 978-1-4673-4973-4   |  |
| Clean Sky | SGO |  | 65 | Oral Presentation and technical paper to the 9th International Symposium on Linear Drives for Industry Applications (LDIA 2013) | M. Galea, Buticchi, Empringham, Lillo, C. Gerada                       | Considerations for Manufacturing and Experimental Validation of a PM, Tubular Motor for a Matrix Converter Driven Aerospace Application | LDIA 2013.                             | Hangzhou (China)       | Scientific community, Industry | >300 | International | ISBN: 978-1-62993-649-9   |  |
| Clean Sky | SGO |  | 66 | Oral Presentation and technical paper to the 15th European Conference on Power Electronics and Applications (EPE)               | Saeed Safari, Alberto Castellazzi, Pat Wheeler                         | Experimental study of parasitic inductance influence on SiC MOSFET switching performance in Matrix converter                            | EPE2013                                | Lille (France)         | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-0116-6   |  |
| Clean Sky | SGO |  | 67 | Oral Presentation and technical paper to the 15th European Conference on Power Electronics and Applications (EPE)               | P. L. Evans, Castellazzi, Bozhko, Johnson                              | Automatic design optimisation for power electronics modules based on rapid dynamic thermal analysis                                     | EPE2013                                | Lille (France)         | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-0116-6   |  |
| Clean Sky | SGO |  | 68 | Oral Presentation and technical paper to the 10th International Modelica Conference   | Philip Jordan, Gerhard Schmitz   | A Modelica Library for Scalable Modelling of Aircraft Environmental Control Systems   | 10th International Modelica Conference | Lund (Sweden)          | Scientific community, Industry | >100 | International | ISBN: 978-91-7519-380-9   |  |

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| Clean Sky | SGO |  | 69 | Oral Presentation and technical paper to the 10th International Modelica Conference  | Martin R. Kuhn, Yang Ji  | Modelica for large scale aircraft electrical network V&V  | 10th International Modelica Conference   | Lund (Sweden)   | Scientific community, Industry | >100                           | International | ISBN: 978-91-7519-380-9            |                         |     |
| Clean Sky | SGO |  | 70 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | Jan Carlsson   | Electromechanical Wing Ice Protection for Large Aircraft  | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 71 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | A.P.L.A. Marsman   | TEMO improves benefits of CDAs, next step towards TRL-5   | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 72 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | patrice nevolet , sylvain jaber  | Smart Operations on Ground  | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 73 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | sebastien vial   | More Electric aircraft: A status on Clean Sky breakthroughs   | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 74 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | M. Rottach, Gerada, Wheeler  | C. P.W. Design Optimisation of the Electrical Drive-Train of a Fault-Tolerant Rotorcraft EMA              | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 75 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | A Filippone  | Challenges in A/C noise Prediction  | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 76 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | Serhiy Bozhko  | Development of A/C Electric Starter-Generator System with Active Rectification technology                 | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 77 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | Jianfeng Li, Agyakwa, Evans, Mark Johnson, Zhao, Yibo Wu, Kim Evans  | Pearl Paul Christopher Yimin  | Packaging / Assembling technology for a high performance SiC-based planar power module           | 3AF Greener Aviation Conference 2014                                  | Bruxelles (Belgium)            | Scientific community, Industry | >100          | International                      |                         | yes |
| Clean Sky | SGO |  | 78 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | Dirk Zimmer, Giese, Crespo,  | Tim Matthias Sébastien Vial   | Model Exchange in Industrial Practice  | 3AF Greener Aviation Conference 2014                                  | Bruxelles (Belgium)            | Scientific community, Industry | >100          | International                      |                         | yes |
| Clean Sky | SGO |  | 79 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | A. Engler, Cremer, Maglie, S. Liebig   | R. De J. Engstler   | Power electronics technology modules for successful implementation in the more electric aircraft | 3AF Greener Aviation Conference 2014                                  | Bruxelles (Belgium)            | Scientific community, Industry | >100          | International                      |                         | yes |
| Clean Sky | SGO |  | 80 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | Gilles Poussin   | ATR : green trajectories for a green aircraft   | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 81 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | F. Re  | An object-oriented simulation-based method for development and assessment of green taxiing systems        | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 82 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | Martin R. Kuhn, Yang Ji  | Next generation design framework for the A/C electric power system  | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 83 | Oral Presentation and technical paper to the 3AF Greener Aviation Conference 2014  | M. Galea, Xu, T. Hamiti, Gerada, Pickering   | Z. C. Tighe, S.   | Design and development of an aircraft taxi motor-drive   | 3AF Greener Aviation Conference 2014                                  | Bruxelles (Belgium)            | Scientific community, Industry | >100          | International                      |                         | yes |
| Clean Sky | SGO |  | 84 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | K. Benmachou, Bertrand Pelissier   | Skin heat exchanger for liquid loop application   | 3AF Greener Aviation Conference 2014   | Bruxelles (Belgium)   | Scientific community, Industry | >100                           | International |                                    | yes                     |     |
| Clean Sky | SGO |  | 85 | Oral Presentation to the 3AF Greener Aviation Conference 2014  | Tao Yang, Bozhko,  | Serhiy Greg Asher   | Functional Modelling of Aircraft Electric Power Systems using Dynamic Phasors                    | 3AF Greener Aviation Conference 2014                                  | Bruxelles (Belgium)            | Scientific community, Industry | >100          | International                      |                         | yes |
| Clean Sky | SGO |  | 86 | Oral Presentation and technical paper to the sixth International Conference on Recent Advances in Aerospace Actuation Systems and Components | M. Rottach, Gerada, Wheeler  | C. P.W.   | Helicopter EMA Systems : Electrical Drive Optimisation and Test                                  | R3ASC 2014  | Toulouse (France)              | Scientific community, Industry | >100          | International                      | ISBN: 9782876490635     |     |
| Clean Sky | SGO |  | 87 | Oral Presentation and technical paper to the 4th AIAA Aviation Technology, Integration, and Operations Conference                            | Xavier Prats, Cristina Barrado, Marc Perez-Battle, Santi Vilardaga, Isidro Bas, Birling, Verhoeven, Adri Marsman | Florent Ronald  | Enhancement of a time and energy management algorithm for continuous descent operations          | 14th AIAA Aviation Technology, Integration, and Operations Conference | Atlanta (USA)                  | Scientific community, Industry | >100          | International                      | ISBN: 978-1-62410-282-0 |     |
| Clean Sky | SGO |  | 88 | Oral Presentation and technical paper to the 58th ILMENAU SCIENTIFIC COLLOQUIUM  | Thomas Münzing, Hansgeorg Binz   | Challenges of the sizing of ballscrews for their use in the primary flight control system of a helicopter | 58 <sup>th</sup> Ilmenau Scientific Colloquium (ISC)   | Ilmenau (Germany)   | Scientific community, Industry | >100                           | International | URN: urn:nbn:de:gbv:ilm1-2014iwk:3 |                         |     |
| Clean Sky | SGO |  | 89 | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences                         | Ahmed Shinkafi, Craig Lawson, Ravinka Seresinhe, Daniele Quaglia, Irfan Madani                                   | AN INTELLIGENT ICE PROTECTION SYSTEM FOR NEXT GENERATION AIRCRAFT TRAJECTORY OPTIMISATION                 | INCAS 2014   | St.Petersburg (Russia)  | Scientific community, Industry | >100                           | International | ISBN: 978-1-63439-411-6            |                         |     |

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| Clean Sky | SGO |  | 90  | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences        | R. Seresinhe, Lawson, Shinkafa, I. Madani, C. A. D. Quaglia,   | AIRFRAME SYSTEMS POWER OFF-TAKE MODELLING IN MORE-ELECTRIC LARGE AIRCRAFT FOR USE IN TRAJECTORY OPTIMISATION             | INCAS 2014  | St.Petersburg (Russia)  | Scientific community, Industry | >100 | International | ISBN: 978-1-63439-411-6  |
| Clean Sky | SGO |  | 91  | Oral Presentation and technical paper to the SAE 2014 Aerospace Systems and Technology Conference                           | Daniel Schlabbe, Jens Lienig   | Development of Model-Based Thermal Management Functions for Aircraft Systems   | SAE 2014 Aerospace Systems and Technology Conference        | Cincinnati (USA)        | Scientific community, Industry | >200 | International | doi:10.4271/2014-01-2203   |
| Clean Sky | SGO |  | 92  | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences        | Ronald Verhoeven, Ramon Dalmau, Xavier Prats, Nico de Gelder   | Real-time aircraft continuous descent trajectory optimization with ATC time constraints using direct collocation methods | INCAS 2014  | St.Petersburg (Russia)  | Scientific community, Industry | >100 | International | ISBN: 978-1-63439-411-6  |
| Clean Sky | SGO |  | 93  | Oral Presentation and technical paper to the SAE 2014 Aerospace Systems and Technology Conference                           | Pericle Zanchetta  | Integrated Design by Optimization of Electrical Systems – A Research Overview  | SAE 2014 Aerospace Systems and Technology Conference        | 2014                    | Scientific community, Industry | >100 | International |  |
| Clean Sky | SGO |  | 94  | Oral Presentation and technical paper to the 15th International Radar Symposium   | S. Lischi, Lupidi, Martorella, Cuccoli, Facheris, A. M. F. L. Baldin   | Advanced Polarimetric Doppler Weather Radar Simulator  | IRS 2014  | GDAŃSK (Poland)         | Scientific community, Industry | >100 | International | ISBN: 978-617-607-470-0  |
| Clean Sky | SGO |  | 95  | Oral Presentation and technical paper to the 15th International Radar Symposium   | Alberto Lupidi, Stefano Lischi, Cuccoli, Baldini, Roberto  | Validation of the Advanced Polarimetric Doppler Weather Radar Simulator with Polar55C real observations                  | IRS 2014  | GDAŃSK (Poland)         | Scientific community, Industry | >100 | International | ISBN: 978-617-607-470-0  |
| Clean Sky | SGO |  | 96  | Oral Presentation and technical paper to the 11th European Radar Conference   | M. D'Amico, Lischi, Lupidi, F. Berizzi, Placidi, S. A. F. Milan  | The X-WALD project: Towards a Cleaner sky  | EURAD 2014 Conference                                       | GDAŃSK (Poland)         | Scientific community, Industry | >100 | International | ISBN: 978-2-8748-7035-4  |
| Clean Sky | SGO |  | 97  | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences        | Alberto Lupidi, Stefano Lischi, Fabrizio Berizzi, Martorella, Fabrizio Cuccoli   | POLARIMETRIC AVIONIC WEATHER RADAR FOR INCREASING FLIGHT SAFETY AND EFFICIENCY   | INCAS 2014  | St.Petersburg (Russia)  | Scientific community, Industry | >100 | International | ISBN: 978-1-63439-411-6  |
| Clean Sky | SGO |  | 98  | Oral Presentation and technical paper to the Signal Processing Symposium 2015   | Alberto Lupidi, Stefano Lischi, Fabrizio Cuccoli, Fabrizio Berizzi, Luca Facheris  | Capabilities and Potential of an Avionic Polarimetric Weather Radar Simulator  | SPSymo 2015 Conference                                      | Debe, Poland            | Scientific community, Industry | >100 | International | ISBN: 9781467369251  |
| Clean Sky | SGO |  | 99  | Oral Presentation and technical paper to the 17th International Conference on Electrical Machines and Systems               | Yang Ji  | A Novel Modelica Based Design Platform for Switched Reluctance Drive Systems   | ICEMS 2014  | Hangzhou (China)        | Scientific community, Industry | >200 | International | ISBN: 978-1-4799-5162-8  |
| Clean Sky | SGO |  | 100 | Oral Presentation and technical paper to the SAE 2014 Aerospace Systems and Technology Conference                           | Yang Ji, Kuhn Martin   | Model based system level studies of More Electric Aircraft   | SAE 2014 Aerospace Systems and Technology Conference        | Cincinnati (USA)        | Scientific community, Industry | >200 | International | DOI: <a href="https://doi.org/10.4271/2014-01-2177">https://doi.org/10.4271/2014-01-2177</a> |
| Clean Sky | SGO |  | 101 | Oral Presentation and technical paper to the 7th IET International Conference on Power Electronics, Machines and Drives     | M. Rottach, Gerada, Wheeler, C. P.W.   | Design Optimisation of a Fault-Tolerant PM Motor Drive for an Aerospace Actuation Application                            | PEMD2014  | Manchester (UK)         | Scientific community, Industry | >200 | International | ISBN: 978-1-84919-815-8  |
| Clean Sky | SGO |  | 102 | Oral Presentation to the 8th International Conference on Integrated Power Systems   | P. L. Evans, Castellazzi, Johnson  | A Multi-Disciplinary Virtual Prototyping Design Tool for Power Electronics   | CIPS 2014   | Nuremberg (Germany)     | Scientific community, Industry | >200 | International | ISBN: 978-3-8007-3578-5  |
| Clean Sky | SGO |  | 103 | Oral Presentation and technical paper to the 7th IET International Conference on Power Electronics, Machines and Drives     | Marco Degano, Arumugam, Weeramundage Fernando, Tao Yang, He Zhang, James Borg, Bartolo, Serhiy Bozhko, Patrick Wheeler, Gerada | An optimised bi-directional wide speed range electric starter-generator for aerospace application                        | PEMD2014  | Manchester (UK)         | Scientific community, Industry | >200 | International | ISBN : 9781849198158   |
| Clean Sky | SGO |  | 104 | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences (ICAS) | Gabriella Serafino   | MULTI-OBJECTIVE TRAJECTORY OPTIMIZATION TO REDUCE AIRCRAFT EMISSIONS IN CASE OF UNFORESEEN WEATHER EVENTS                | ICAS 2014 conference  | St.Petersburg (Russia)  | Scientific community, Industry | >100 | International | ISBN: 978-1-63439-411-6  |
| Clean Sky | SGO |  | 105 | Oral Presentation to the MEA15 Conference   | Rémy OUAIDA  | Current Limiting Device To Address DC Aeronautic Power Distribution System   | MEA15 Conference  | Toulouse (France)       | Scientific community, Industry | >100 | International |  |
| Clean Sky | SGO |  | 106 | Oral Presentation and technical paper to the 29th Congress of the International Council of the Aeronautical Sciences (ICAS) | Gabriella Serafino   | Effects of weather condition on aircraft emission in climb phase   | MESAS 2015 conference, 29-30 April, Prague, Repubblica Ceca | Prague (Czech Republic) | Scientific community, Industry | >100 | International | ISBN: 978-3-319-22383-4  |

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| Clean Sky | SGO |  | 107 | Oral Presentation to the Aerodays conference  | Sebastian Seemann  | HEMAS - Dynamic Ground Demonstrator for Electromechanical Swashplate Actuation   | Aerodays London 2015   | London (UK)             | Scientific community, Industry | >100     | International | <a href="https://www.scribd.com/document/285610538/Program-Aerodays-London">https://www.scribd.com/document/285610538/Program-Aerodays-London</a> | yes |
| Clean Sky | SGO |  | 108 | Oral Presentation to the Aerodays conference  | Sebastian Seemann  | Alternative Rating Life Calculation for Rolling Elements and its Influence on Electromechanical Actuators                                | Aerodays London, Oct 2015  | London (UK)             | Scientific community, Industry | >100     | International | <a href="https://www.scribd.com/document/285610538/Program-Aerodays-London">https://www.scribd.com/document/285610538/Program-Aerodays-London</a> | yes |
| Clean Sky | SGO |  | 109 | Oral Presentation and technical paper to the Energy Conversion Congress and Exposition                              | D. Barater, G. Buticchi, A. Soldati, G. Franceschini, Fabio Immovilli, Michael Galea, Chris Gerada | Multistress characterization of insulation aging mechanisms in aerospace electric actuators  | ECCE 2015  | Montreal (Canada)       | Scientific community, Industry | >100     | International | ISBN: 978-1-4673-7151-3   |     |
| Clean Sky | SGO |  | 110 | Oral Presentation and technical paper to the Electrical Insulation Conference                                       | R. Lowndes, Cotton, Emersic, I. C. Rowland, R. Freer   | Thermal Stresses of Conformal Coatings on Printed Circuit Boards   | Electrical Insulation Conference 2015                                    | EIC 2015                | Scientific community, Industry | >100     | International | ISBN: 978-1-4799-7354-5   |     |
| Clean Sky | SGO |  | 111 | Oral Presentation and technical paper to the Electrical Insulation Conference                                       | Christopher Emersic  | Degradation of printed circuit board coatings due to partial discharge Power Control System  | Electrical Insulation Conference 2015                                    | EIC 2015                | Scientific community, Industry | >100     | International | ISBN: 978-1-4799-7354-5   |     |
| Clean Sky | SGO |  | 112 | Oral Presentation and technical paper to the Electrical Insulation Conference                                       | Richard Gardner, Ian Cotton, Mario Kohler  | Comparison of Power Frequency and Impulse Based Partial Discharge Measurements on a Variety of Aerospace Components at 1000 and 116 mbar | Electrical Insulation Conference 2015                                    | EIC 2015                | Scientific community, Industry | >100     | International | ISBN: 978-1-4799-7354-5   |     |
| Clean Sky | SGO |  | 113 | Oral Presentation and technical paper to the International Geoscience and Remote Sensing Symposium                  | Fabrizio Cuccoli, Alberto Lupidi, Luca Facheris, Luca Baldini                                      | Polarimetric radar for civil aircrafts to support pilots' decision in bad weather conditions   | Proceedings of the International Geoscience and Remote Sensing Symposium | IGARSS 2015             | Scientific community, Industry | >100     | International | ISBN: 978-1-4799-7929-5   |     |
| Clean Sky | SGO |  | 114 | Poster presentation to the 13th Joint European Thermodynamics Conference  | Vincent GERBAUD, I. Rodriguez-Donis, B. Joosen, Aubry, J.-M. Delalandre                            | Flash point prediction for mixtures  | JETC 2015  | Nancy (France)          | Scientific community, Industry | 50 - 100 | International | <a href="http://jetc2015.event.univ-lorraine.fr/jetc_home.php">http://jetc2015.event.univ-lorraine.fr/jetc_home.php</a>                           |     |
| Clean Sky | SGO |  | 115 | Oral Presentation to the 10th European Symposium on Chemical Engineering  | Joossen Benjamin, Aubry Jean-Marie   | MODELING AZEOTROPIC WATER/ORGANIC SOLVENT MIXTURES WITH COSMO-RS   | ECCE 2015  | Nice (France)           | Scientific community, Industry | >100     | International | <a href="http://www.ecce2015.eu/index.php/program/synopsis-program">http://www.ecce2015.eu/index.php/program/synopsis-program</a>                 |     |
| Clean Sky | SGO |  | 116 | Oral Presentation to the Dielectrics 2015 Conference  | P. Weaver / A. Ellmore / K. Albertsen  | High temperature capacitors for power electronics  | Dielectrics 2015   | 2015                    | Scientific community, Industry | >100     | International |   |     |
| Clean Sky | SGO |  | 117 | Oral Presentation to the DSAE AC9C Conference   | Francois Larue   | Primary Ice Detection Systems  | SAE AC9C Oct 2014  | 2014                    | Scientific community, Industry | >100     | International |   |     |
| Clean Sky | SGO |  | 118 | Oral Presentation to the SAE 2015 International Conference on Icing of Aircraft, Engines, and Structures            | Francois Larue   | New Optical Technologies for PRIMARY and ADVISORY Ice Detection Systems  | SAE 2015   | Prague (Czech Republic) | Scientific community, Industry | >100     | International | <a href="http://www.sae.org/events/pdf/icing/2015_icing_guide.pdf">http://www.sae.org/events/pdf/icing/2015_icing_guide.pdf</a>                   |     |
| Clean Sky | SGO |  | 119 | Oral Presentation to the SAE 2015 International Conference on Icing of Aircraft, Engines, and Structures            | Hatch C., Moser R, Gent R  | Initial Results from a Hybrid Electro-Thermal Electro-Mechanical Simulation Tool (HETEMS)  | SAE 2015   | Prague (Czech Republic) | Scientific community, Industry | >100     | International | <a href="http://www.sae.org/events/pdf/icing/2015_icing_guide.pdf">http://www.sae.org/events/pdf/icing/2015_icing_guide.pdf</a>                   |     |
| Clean Sky | SGO |  | 120 | Oral Presentation to the MEA 2015 Conference  | Jérôme Faucher, Etienne Foch   | More Electric aircraft: A status on Clean Sky breakthroughs  | MEA 2015 conference, Toulouse  | Toulouse (France)       | Scientific community, Industry | 50       | International | <a href="https://www.see.asso.fr/en/wiki/12121_programme-detail">https://www.see.asso.fr/en/wiki/12121_programme-detail</a>                       |     |
| Clean Sky | SGO |  | 121 | Oral Presentation to the 5th International Workshop on Aircraft System Technologies                                 | Walper, Guenter Kader Benmachou  | FLIGHT TEST OF AN EXPERIMENTAL (LIQUID TO AIR) SKIN HEAT EXCHANGER   | AST 2015   | Hamburg (Germany)       | Scientific community, Industry | >100     | International | ISBN: 978-3-8440-3319-9   |     |
| Clean Sky | SGO |  | 122 | Oral Presentation to the Polymer Replication on Nanoscale 2015 Conference   | Emmanuel Scolan  | Fabrication of Functional Nanostructured Polymer and Hybrid Components   | Polymer Replication on Nanoscale 2015                                    | 2015                    | Scientific community, Industry | >100     | International |   |     |
| Clean Sky | SGO |  | 123 | Oral Presentation to the Swiss Nanoconvention 2015 Conference   | Emmanuel Scolan  | Fabrication of submicro-/nano-structured surfaces with enhanced performances   | Swiss Nanoconvention 2015  | 2015                    | Scientific community, Industry | >100     | International |   |     |
| Clean Sky | SGO |  | 124 | Oral Presentation to the Aerodays conference  | Emmanuel Scolan  | Design of Icephobic coatings   | Aerodays 2015  | 2015                    | Scientific community, Industry | >100     | International |   | yes |
| Clean Sky | SGO |  | 125 | Oral Presentation and technical paper to the 13th CEAS Air & Space Conference                                       | Kenneth Chirrop, W. Camilleri, V. Sethi, D. Zammit-Mangion   | Multi-Objective Optimisation of a constrained 2000 km Trajectory using Genetic Algorithms  | 3rd CEAS Air & Space Conference  | Venice                  | Scientific community, Industry | >300     | International | ISBN: 9788896427187   |     |
| Clean Sky | SGO |  | 126 | Oral Presentation and technical paper to the 19th Conference of the International Society for Air Breathing Engines | Cesar Celis, Long, Piliadis, Richard Percicle, David Zammit-Mangion                                | On Trajectory Optimisation for Reducing the Impact of Commercial Aircraft Operations on the Environment                                  | ISABE 2009   | Montreal (Canada)       | Scientific community, Industry | >200     | International | ISBN: 978-1-61567-606-4   |     |

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| Clean Sky | SGO |  | 127 | Oral Presentation and technical paper to the 28th Congress of the International Council of the Aeronautical Sciences                                 | K. Chircop, Zammit-Mangion, R. Sabatini, D.   | Bi-objective Pseudospectral Optimal Control techniques for Aircraft Trajectory Optimisation            | ICAS Congress 2012  | Brisbane (Australia)   | Scientific community, Industry | >100 | International | ISBN: 9781622767540   |     |
| Clean Sky | SGO |  | 128 | Oral Presentation and technical paper to the AIAA Guidance, Navigation and Control   | Daniel Pisani, David Zammit Mangion, Roberto Sabatini   | City-Pair Trajectory Optimization in the Presence of Winds using the GATAC Framework                   | GNC 2013  | Boston (MA)            | Scientific community, Industry | >300 | International | ISBN: 978-1-62410-224-0   |     |
| Clean Sky | SGO |  | 129 | Oral Presentation and technical paper to the AeroTech Congress & Exhibition  | Craig Lawson, Irfan Madani, Ravinka Sensesihne, Devaiah K. Nallanda                                 | Trajectory Optimization of Airliners to Minimize Environmental Impact                                  | SAE 2015  | Seattle (USA)          | Scientific community, Industry | >300 | International | doi:10.4271/2015-01-2400  |     |
| Clean Sky | SGO |  | 130 | Oral Presentation and technical paper to the 3rd CEAS Specialist Conference on Guidance, Navigation and Control                                      | Brink E., De Boer A., Gerber M, Van der Geest M., Zeilstra D.                                       | The implications of aerospace requirements on the design-space of a permanent magnet starter/generator | CEAS 2015 -5th CEAS Air & Space Conference  | Toulouse (France)      | Scientific community, Industry | >200 | International | uuid:73005fd1-6612-46f4-a511-87b5b93136cf   |     |
| Clean Sky | SGO |  |     | Oral Presentation and technical paper to the International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles | M. van der Geest, H. Polinder, Ferreira, J. A. D. Zeilstra  | Design and Testing of a High-Speed Aerospace Permanent Magnet Starter/Generator                        | ESARS 2015  | Aachen (Germany)       | Scientific community, Industry | >200 | International | DOI: 10.1109/ESARS.2015.7101422   |     |
| Clean Sky | SGO |  | 131 | Oral Presentation and technical paper to the 27th International Conference on Parallel Computational Fluid Dynamics                                  | J. Muela, Martínez, Lehmkuhl, Segarra, Oliva, D. O. C.D. Pére A.                                    | New Parallel Method for adjacent disconnected unstructured 3D meshes                                   | 27th International Conference on Parallel Computational Fluid Dynamics                              | Barcelona (Spain)      | Scientific community, Industry | >100 | International | <a href="http://dx.doi.org/10.1080/10618562.2016.1205187">http://dx.doi.org/10.1080/10618562.2016.1205187</a>   |     |
| Clean Sky | SGO |  | 132 | Oral Presentation to the ICIT 2015 Conference  | Bas Eduardo   | INDRA_ AIRBORNE SYSTEMS & EQUIPMENT  | 2015 IEEE ICIT, Industrial Forum  | Sevilla (Spain)        | Scientific community, Industry | >100 | International |   |     |
| Clean Sky | SGO |  | 133 | Oral Presentation to the 2015 SINASA Congress of the Sevilla University  | J. Carmena  | EVOLUTION OF ELECTRICAL NETWORKS ON BOARD, FUTURE CHALLENGES AND INDRA'S RESPONSE                      | 2015 SINASA Congress of the Sevilla University. Sevilla, 16th April 2015                            | Sevilla (Spain)        | Scientific community, Industry | >100 | International | <a href="http://www.cei.upm.es/media/seminarios/2015/POSTER_8AM_2015.pdf">http://www.cei.upm.es/media/seminarios/2015/POSTER_8AM_2015.pdf</a>                 |     |
| Clean Sky | SGO |  | 134 | Oral Presentation to the 2015 CEI-UPM Annual Meeting, "Centro de Electrónica Industrial" of the Polytechnic University of Madrid                     | J. Carmena  | EVOLUTION OF ELECTRICAL NETWORKS ON BOARD, FUTURE CHALLENGES AND INDRA'S RESPONSE                      | CEI-UPM Annual Meeting, "Centro de Electrónica Industrial" of the Polytechnic University of Madrid. | Madrid (Spain)         | Scientific community, Industry | >100 | International | <a href="http://www.cei.upm.es/media/seminarios/2015/VII_CEI_AM_programa_nsc.pdf">http://www.cei.upm.es/media/seminarios/2015/VII_CEI_AM_programa_nsc.pdf</a> |     |
| Clean Sky | SGO |  | 135 | Oral Presentation and technical paper to the 22nd AIAA Computational Fluid Dynamics  | George Bogdan Gherman, Ion Malae, Mihai Mihaescu, Ionut Porumbel                                    | Jet pump optimization through Reynolds averaged Navier - Stokes analysis                               | 22nd AIAA Computational Fluid Dynamics  | Dallas (USA)           | Scientific community, Industry | >100 | International | ISBN: 978-1-62410-366-7   |     |
| Clean Sky | SGO |  | 136 | Conference to the 26th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis   | G. Aubard   | Lifetime estimation of high-temperature high-voltage polymer film capacitor based on capacitance loss  | ESREF 2015 with paper in Elsevier, microelectronics reliability                                     | Toulouse (France)      | Scientific community, Industry | >150 | International | <a href="http://dx.doi.org/10.1016/j.micrel.2015.06.099">http://dx.doi.org/10.1016/j.micrel.2015.06.099</a>   |     |
| Clean Sky | SGO |  | 137 | Oral Presentation to the seventh European Aeronautics Days Conference  | Sebastian Ziehm   | Hardware exposition of HEMAS Actuator  | Aerodays London   | London (UK)            | Scientific community, Industry | >200 | International | ISBN : 978-92-79-59140-2  | yes |
| Clean Sky | SGO |  | 138 | Oral Presentation and technical paper to the 13th International Workshop on 1&2 Dimensional Magnetic Measurement and Testing                         | Bartolo James Borg, Klimczyk Piotr, Twisina Kai, Patrick, Stefan, Christopher, Denke Siebert Gerada | An Investigation into the Geometric Parameters Affecting Field Uniformity in Four Pole Magnetisers     | 13th International Workshop on 1&2 DM Magnetic Measurement and Testing in Turin                     | Turin (Italy)          | Scientific community, Industry | >100 | International | DOI: 10.3233/JAE-151992   |     |
| Clean Sky | SGO |  | 139 | Oral Presentation to the seventh European Aeronautics Days Conference  | wilfred Rouwhorst   | TEMO FLIGHT TRIALS DEMONSTRATING CDAs FOR HIGH CAPACITY AIRPORTS                                       | Aerodays London   | London (UK)            | Scientific community, Industry | >200 | International | ISBN : 978-92-79-59140-2  |     |
| Clean Sky | SGO |  | 140 | Oral Presentation and technical paper to the AIAA Guidance, Navigation, and Control Conference   | Frank Bussink, Ronald Verhoeven, Adri Marsman, Xavier Prats, Bendris, Josep Montolio, Brent Day     | Optimization of the vertical trajectory through Time and Energy management: A Human in the-Loop Study  | AIAA GNC 2016   | San Diego (California) | Scientific community, Industry | >300 | International | ISBN: 978-1-62410-389-6   |     |
| Clean Sky | SGO |  | 141 | Oral Presentation and technical paper to the NAFEMS World Congress 2015  | Munzing, T Binz, H Pacieri, F Toro, S   | Extending standard sizing of ball screws to consider unequal load distributions                        | NAFEMS World Congress 2015  | San Diego (California) | Scientific community, Industry | >100 | International | <a href="https://www.nafems.org/publications/resource_center/nwc15_231/">https://www.nafems.org/publications/resource_center/nwc15_231/</a>                   |     |
| Clean Sky | SGO |  | 142 | Oral presentation to 7th International Conference on Recent Advances in Aerospace Actuation Systems and Components R3ASC'16                          | M. CHRISTMANN, F. PERNI, TORO, S. A. NAUBERT, M. BACHMANN, H. BINZ,                                 | Disconnect Device Design Options for Jam-Tolerant EMAs   | R3ASC'16  | Toulouse (France)      | Scientific community, Industry | >100 | International | <a href="https://r3asc16.sciencesconf.org/">https://r3asc16.sciencesconf.org/</a>   |     |
| Clean Sky | SGO |  | 143 | Oral Presentation and technical paper to the 41st Annual Conference of the IEEE - Industrial Electronics Society                                     | Alessandro Soldati, Davide Barater, Francesco Brugnano, Carlo Concari                               | Design of a Control Unit for Advanced Gate Drivers Featuring Adaptive Dead-Time and Diagnostics        | IECON 2015  | Yokohama (Japan)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-1762-4   |     |
| Clean Sky | SGO |  | 144 | Oral Presentation and technical paper to the 41st Annual Conference of the IEEE - Industrial Electronics Society                                     | Alessandro Soldati, Davide Barater, Carlo Concari, Michael Galea, Chris Gerada                      | A Voltage Controlled Power Resistor Circuit for Active Gate Driving of Wide-bandgap Power Devices      | IECON 2015  | Yokohama (Japan)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-1762-4   |     |

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| Clean Sky | SGO |  | 145 | Oral Presentation and technical paper to the 41st Annual Conference of the IEEE - Industrial Electronics Society             | Alessandro Soldati ,<br>Davide Barater,<br>Carlo Conconi,<br>Giovanni Franceschini                    | Comparing Control Topologies for Wide-Bandgap Power-Device Drivers: a Simulation Study                      | IECON 2015  | Yokohama (Japan)        | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-1762-4   |     |
| Clean Sky | SGO |  | 146 | Oral Presentation to the MEA 2016 Conference   | Philip McGoldrick   | Integration of Electrical Machines into the Engine: Routemap of Technology Options & Opportunities          | MEA 2015 conference   | Toulouse (France)       | Scientific community, Industry | >100 | International | <a href="https://www.see.asso.fr/lichier/12651-integration-electrical-machines-engine-routemap-technology-options-opportunities">https://www.see.asso.fr/lichier/12651-integration-electrical-machines-engine-routemap-technology-options-opportunities</a>   |     |
| Clean Sky | SGO |  | 147 | Oral Presentation to the Aerodays conference   | Fabrizio Cuccoli  | REAL TIME ADAPTIVE PROCESSING OF MULTISOURCE WEATHER DATA FOR IN-FLIGHT DECISION SUPPORT SYSTEM             | Aerodays London 2015  | London (UK)             | Scientific community, Industry | >100 | International | <a href="https://www.scribd.com/document/1285610538/Program-Aerodays-London">https://www.scribd.com/document/1285610538/Program-Aerodays-London</a>   | yes |
| Clean Sky | SGO |  | 148 | Oral Presentation and technical paper to the International Geoscience and Remote Sensing Symposium 2015                      | N. Roberto,<br>A. Adirosi,<br>L. Facheris,<br>L. Baldini,<br>F. Cuccoli,<br>A. Lupidi,<br>A. Garzelli | Hydrometeor classification for X-band dual polarization radar on-board civil aircrafts                      | IGARSS 2015   | Milan (Italy)           | Scientific community, Industry | >150 | International | ISBN: 978-1-4799-7929-5   |     |
| Clean Sky | SGO |  | 149 | Oral Presentation and technical paper to the 2nd IEEE International Workshop on Metrology for Aerospace                      | Francesco Sermi,<br>Fabrizio Cuccoli,<br>Clio Mugnai,<br>Luca Facheris                                | Aircraft hazard evaluation for critical weather avoidance   | MetroAeroSpace 2015 IEEE                                    | Benevento (Italy)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-7569-3   |     |
| Clean Sky | SGO |  | 150 | Oral Presentation and technical paper to the 2nd IEEE International Workshop on Metrology for Aerospace                      | Piercesare Bernabò,<br>Fabrizio Cuccoli,<br>Luca Baldini  | Icing Hazard for Civil Aviation   | MetroAeroSpace 2015 IEEE                                    | Benevento (Italy)       | Scientific community, Industry | >100 | International | ISBN: 978-1-4799-7569-3   |     |
| Clean Sky | SGO |  | 151 | Oral Presentation to the Aerodays conference   | Gilles Poussin  | Systems demonstrations in Clean sky and Clean sky2  | Aerodays London 2015  | London (UK)             | Scientific community, Industry | >100 | International | <a href="https://www.scribd.com/document/1285610538/Program-Aerodays-London">https://www.scribd.com/document/1285610538/Program-Aerodays-London</a>   | yes |
| Clean Sky | SGO |  | 152 | Oral Presentation and technical paper to the SAE 2015 International Conference on Icing of Aircraft, Engines, and Structures | Maxime Henno  | Unsteady Thermal Simulations of Wing Ice Protection Systems Integrated in Metallic or Composite Structures' | SAE 2015  | Prague (Czech Republic) | Scientific community, Industry | >100 | International | <a href="http://www.sae.org/search/?contentType=PAPER%26presentedIn=SAE%2015+International+Conference+on+Icing+of+Aircraft,+Engines,+and+Structures%26">http://www.sae.org/search/?contentType=PAPER%26presentedIn=SAE%2015+International+Conference+on+Icing+of+Aircraft,+Engines,+and+Structures%26</a> |     |
| Clean Sky | SGO |  | 153 | Oral Presentation and technical paper to the Exhibition on New Actuators and Drive Systems ACTUATOR conference               | T. Munzing,<br>H. Binz,<br>S. Seemann,<br>M. Christmann,<br>S. Toro                                   | New Rating Life Calculation for Rolling Elements on Aircraft  | Exhibition on New Actuators and Drive Systems ACTUATOR 2016 | Bremen (Germany)        | Scientific community, Industry | >100 | International | ISBN 978-3-933339-26-3  |     |
| Clean Sky | SGO |  | 154 | Oral Presentation and technical paper to the 27th Society of Flight Test Engineers - European Chapter Symposium              | Ronald Verhoeven,<br>Frank J.L. Bussink,<br>Xavier Prats,<br>Ramon Dalmau                             | Time and Energy Managed Operations (TEMO)   | 27th SFE Conference   | Nurnberg (Germany)      | Scientific community, Industry | >100 | International | <a href="http://hdl.handle.net/2117/102052">http://hdl.handle.net/2117/102052</a>   |     |
| Clean Sky | SGO |  | 155 | Oral Presentation and technical paper to the Greener Aviation Conference   | Ronald Verhoeven,<br>Frank J.L. Bussink,<br>Xavier Prats,<br>Ramon Dalmau                             | Time and Energy Managed Operations (TEMO) Citation flight trials  | Greener Aviation Conference                                 | Bruxelles (Belgium)     | Scientific community, Industry | >100 | International |   | yes |