

Program	ITD	Domain	Key worlds	number	Title	Main Authors	Title of the periodical or the series or the event	Number, date or frequency (N/A for events)	Publisher or organiser	Place of publication or event venue	Year of publication or event	Relevant pages or event session	Permanent identifiers4 (if available)	open access provided to this publication?
PAPERS														
Clean Sky	SGO	WP3	Optimization, Steady-state, Harmonic analysis, Computational modeling, Tuners, Numerical models, Switches	1	Optimization based steady-state analysis of switched power electronic systems	Yang Ji, A. Pfeiffer, Johann Bals,	12th IEEE Workshop on Control and Modeling for Power Electronics,	IPEC 2010 Conference Proceeding	IEEE Xplore	Singapore (Singapore)	Jun-10	pp. 1-6	DOI: 10.1109/COMPTEL.2010.5562419	
Clean Sky	SGO	WP2.1		2	Multi-level power quality assessment towards virtual testing of more electric aircraft	Yang Ji, Johann A. Bals, Pfeiffer	Proceedings of the 9th International Power and Energy Conference IPEC	IEEE Power & Energy, IET	IEEE Xplore	Singapore	2010	pp. 28-33	DOI: 10.1109/IPECON.2010.5697125	
Clean Sky	SGO		More Electric Aircraft, Signal analysis	3	Novel Modelica Signal Analysis Tool towards Design of More Electric Aircraft	Yang Ji, Johann Bals	Proceedings of the 3rd IEEE International Conference on Computer Science and Information Technology (ICCSIT)	Volume 5	IEEE Xplore	Chengdu (China)	Jul-10	pp. 152-156	DOI: 10.1109/ICCSIT.2010.5564724	
Clean Sky	SGO			4	A Multi-Criteria Simulation Framework for Civil Aircraft Trajectory Optimisation	Hasan Zolata, Cesar Celis, Vishal Sethi, Riti Singh, David Zammit-Mangion	Proceedings of the International Mechanical Engineering Congress and Exposition (ASME)	Volume 1: Advances in Aerospace Technology	ASME proceedings	Vancouver (Canada)	Nov-10	pp. 95-105	doi:10.1115/IMECE2010-38237	
Clean Sky	SGO	WP2.1		5	Physical Modeling of Switched Reluctance Motors using Modelica	Johann Bals, Yang Ji	Proceedings of The International MultiConference of Engineers and Computer Scientists 2011	IMECS 2011	Newswood and International Association of Engineers	Hong Kong	2011	pp. 896-901	ISBN : 978-988-19251-2-1	
Clean Sky	SGO	WP2.1		6	Inclusion of reliability and safety analysis methods in Modelica	Christian Schallert	Proceedings of the 8th International Modelica Conference	8th International Modelica Conference	Modelica	Dresden (Germany)	2011	pp. 1-12	DOI: 10.3384/ecp11063616	
Clean Sky	SGO	WP2.1		7	A scade suite to Modelica interface	Schlabe Daniel, Bunte Tilman, Knostmann Tobias	Proceedings of the 8th International Modelica Conference	8th International Modelica Conference	Modelica	Dresden (Germany)	2011	pp. 1 -6	DOI: 10.3384/ecp11063616	
Clean Sky	SGO	WP3.3		8	On-Board Trajectory Optimization of RNAV Departure and Arrival Procedures Concerning Emissions and Population Annoyance	Fernandes de Oliveira R., Bùskens C.	SAE Conference - AeroTech Congress & Exhibition	SAE Technical Paper 2011-01-2595	SAE International	Toulouse (France)	Oct-11	pp. 1-17	doi:10.4271/2011-01-2595	doi:10.4271/2011-01-2594
Clean Sky	SGO	WP3		9	SIMET, a solution for optimal trajectory management under weather and environmental constraints	Kate Dondenaz, Jean-Marc Gaubert, Florent Birling, Patrick Josse	Proceedings of the Simulation in Aerospace - IEEE AESS conference	IEEE Aerospace and Electronic Systems Magazine - Volume: 29, Issue: 3	IEEE Xplore	Toulouse (France)	2014	pp. 26-31	DOI: 10.1109/MAES.2014.6805363	
Clean Sky	SGO	WP3.3		10	Aircraft Noise and Emission Reduction through Time and Energy Management	P. M. A. de Jong, N. de Gelder, R. P. M. Verhoeven, F. J. L. Bussink, R. Kohrs, M. M. van Paassen, M. Mulder	Journal of Aircraft	Vol. 52, No. 1	ARC		2015	pp. 190-203	http://dx.doi.org/10.2514/1.C032668	
Clean Sky	SGO	WP3		11	Application of Genetic Algorithm for preliminary trajectory Optimization	Hugo Pervier, Devaiah Nalianda, Ramon Espi, Vishal Sethi, Pericles Pilidis, David Zammit-Mangion, Jean-Michel Rogero, Ricardo Entz	International Journal of Aerospace	Volume 4	SAE		2011	pp. 973-987	doi:10.4271/2011-01-2594	
Clean Sky	SGO	WP2	unbalanced, Dynamic phasor, synchronous generator, transmission line, fault	12	Assessment of Dynamic Phasors Modelling Technique for Accelerated Electric Power System Simulations	Tao Yang, Serhiy Bozhko, Greg Asher	EPE Conference	EPE proceedings	IEEE Xplore	Birmingham (UK)	Sep-11	pp. 1-9	ISBN: 978-90-75815-15-3	
Clean Sky	SGO	WP2	Reactive Power, AC machine, Electrical machine, Modelling, Reluctance drive, Flux model	13	Modeling of Flux Reversal Machines for direct drive applications	Gianmario Pellegrino, Christopher Gerada	EPE Conference	EPE proceedings	IEEE Xplore	Birmingham (UK)	Sep-11	pp. 1-10	ISBN: 978-90-75815-15-3	
Clean Sky	SGO	WP2	IGBT, Device application, High voltage power converters, MOSFET, JFET	14	Active Control of Series Connected, Voltage Driven Power Devices using a Single Gate Drive	Paul Evans, Nithiphat Teerakawanich, C. Mark Johnson	EPE Conference	EPE proceedings	IEEE Xplore	Birmingham (UK)	Sep-11	pp. 1-10	ISBN: 978-90-75815-15-3	
Clean Sky	SGO	WP2	Design processes, Icing and ice detection, Test procedures	15	Analysis for the design and test of an ice protection system for a scoop intake	Moser R., Gent R.	International Journal of Aerospace	SAE - paper 2011-38-0055	SAE		2013		doi:10.4271/2011-38-0055	

Clean Sky	SGO	WP2	Analysis methodologies, Aircraft deicing, Icing and ice detection	16	The Building Blocks for a Hybrid ElectroThermal-ElectroMechanical Simulation Tools	Hatch C., Moser R., Gent R., Hicks P.	International Journal of Aerospace	SAE - paper 2011-38-0035	SAE	Chigago (USA)	Jun-11	pp. 1-11	DOI:10.4271/2011-38-0035	
Clean Sky	SGO	WP3		17	Optimal 4D Strategic Trajectory Planning in ATM	Manuel Soler, Alberto Olivares, Ernesto Staffetti, Jesus Cegarra	1st international conference in automation in command and control systems by HALA!	ATACCS2011	SESAR RESEARCH NETWORK	Barcelona (Spain)	May-11	73-77	ISBN: 978-2-917490-14-3	ISBN: 978-1-4503-1506-7
Clean Sky	SGO			18	TECHNOLOGY DEMONSTRATIONS FOR AIRCRAFT Energy Systems	Walper Guenter, Sebastien Vial, Marie-Laure Toulouse	Conference	AST 2011 Hamburg March 2011	Shaker; 1 edition	Hamburg (germany)	Mar-11	pages 2-13	ISBN:978-3832299040	
Clean Sky	SGO	WP2.1	Switched Reluctance Machine, Modelling, Simulation, Control design	19	Modelling and Control Design of Switched Reluctance Machines using Modelica	Yang Ji, Johann Bals	19th IASTED International Conference on Applied Simulation and Modelling	ASM 2011	Acta Press	Crete (Greece)	2011	pp. 1878-184	DOI:10.2316/P.2011.715-090	ISBN: 978-0-88986-764-2
Clean Sky	SGO			20	Multi-Objective Optimisation of a constrained 2000 km Trajectory using Genetic Algorithms	Kenneth Chircop, W. Camilleri, V. Sethi, Zammit-Mangion	3rd CEAS air & space conference, 21st AIDAA congress	Proceedings of the 3rd CEAS air & space conference		Venice (Italy)	Oct-11		ISBN: 9788896427187	
Clean Sky	SGO			21	Emission-optimal flight trajectories with weather hazard avoidance and 4D wind modeling	Büsken Christof, Fernandes de Oliveira R.	3rd CEAS air & space conference, 21st AIDAA congress	Proceedings of the 3rd CEAS air & space conference		Venice (Italy)	Oct-11		ISBN: 9788896427187	
Clean Sky	SGO		EMC, conducted emission, ATRU, modelling	22	Conducted emission modelling of autotransformer rectifier units used in aircraft	Qian Zhou, Angela Nothofer, Christos Christopoulos	10th International Symposium on Electromagnetic Compatibility	EMC	IEEE Xplore	York (England)	26-30/09/2011	pp. 218-223	ISBN: 978-1-4577-1709-3	
Clean Sky	SGO		thermal improvements, Electrical machine windings, high current density, permanent-magnet machines	23	A Thermal Improvement Technique for the Phase Windings of Electrical Machines	Michael Galea, Chris Gerada, Tsarafidy Raminosoa, Patrick Wheeler	IEEE Journals & Magazines	Volume: 48, Issue: 1	IEEE Xplore		Nov-11	pp. 79-87	DOI: 10.1109/TIA.2011.2175470	
Clean Sky	SGO		Tuners, Monitoring, Magnetic domains, Optimization, Switches, Shock absorbers, Visualization	24	Optimal Control Design for Switched Reluctance Machines with Right-sized Modelling	Yang Ji, Johann Bals	9th IEEE International Conference on Power Electronics and Drive Systems	IEEE proceedings	IEEE Xplore	Singapore	Dec-11	399 - 404	DOI: 10.1109/PEDS.2011.6147279	ISBN: 978-1-61284-999-7
Clean Sky	SGO		Switches, Torque, Magnetic flux, Acceleration	25	Advanced generator design using Pareto-optimization	Martin R. Kuhn	9th IEEE International Conference on Power Electronics and Drive Systems	IEEE proceedings	IEEE Xplore	Singapore	Dec-11	1061 - 1067	DOI: 10.1109/PEDS.2011.6147391	ISBN: 978-1-61284-999-7
Clean Sky	SGO	3.3	Aircraft Energy, continuous descent approaches, Engine Idle, Environmental Benefits, Optimal Control Theory, Required Time of Arrival	26	Time and Energy Management during Descent and Approach for Aircraft	de Jong Paul M. A., Bussink Frank J. L., de Gelder Nico, Verhoeven Ronald P. M., Mulder Max	5th International Conference on Research in Air Transportation - ICRAT 2012	ICRAT 2012	Proceedings of ICRAT 2012	Berkeley (California)	May-12	pages 1 - 6	http://www.icrat.org/icrat/5th-international-conference/	
Clean Sky	SGO	WP2	Rotorcraft Actuation, Aerospace EMA, dynamic Reluctance Network, Thermal Network, Global Optimisation	27	Fault-Tolerant Electrical Machine Design Within a Rotorcraft Actuation Drive System Optimisation	M. Rottach, Gerada, Hamiti, Wheeler	6th IET International Conference on Power Electronics, Machines and Drives (PEMD 2012)	PEMD 2012 vol.27, no.3	IEEE Xplore	Bristol (UK)	March 2012	pp.1598-1607	DOI: 10.1049/cp.2012.0247	
Clean Sky	SGO	WP3	Airborne meteorological radar simulation	28	Cleopatra: A novel approach to airborne radar simulation	G. Amisano, C Capsoni, D'Amico, Bandinelli, Milani, Vries, Barkmeijer, E. Itcia, Wasselin	IET International Conference on Radar Systems	RADAR 2012 conference	IEEE Xplore	Glasgow (UK)	Oct-12	pp. 1-6	DOI: 10.1049/cp.2012.1647	ISBN: 978-1-84919-676-5
	SGO	WP3.2	Aircraft Engine; Ceramics; Coal, Biomass and Alternative Fuels; Controls, Diagnostics and Instrumentation	29	Multi-objective Optimisation Studies of a Civil Aircraft Flight Trajectory	Weiqun Gu, Rukshan Navaratne, Daniele Quaglia, Yang Yu, Irfan Madani, Vishal Sethi, Huamin Jia, Kenneth Chircop, Roberto Sabatini, David Zammit-Mangion	ASME Turbo Expo 2012	Proc. ASME. 44670 Volume 1, N. GT2012-69862	ASME Digital Collection	Copenhagen (Denmark)	Jun-12	pp 415-424	DOI: 10.1115/GT2012-69862	

Clean Sky	SGO	WP2		30	Optimization and Comparison of Electrical Machines using Particle Swarm Optimization	M. Geest, Polinder, Ferreira, Zellstra	H. J. D.	XXth International Conference on Electrical Machines (ICEM 2012)	Proceedings of International Conference on Electrical Machines	Proc. ASME. 44670; Volume 1:	Marseille (France)	Sep-12		ISBN: 978-1-4673-0143-5	ISBN: 978-1-4673-0143-5
Clean Sky	SGO	WP2	unbalanced system, Active rectifier, aircraft power system, controlled rectifier unit, dynamic phasor	31	Modeling of Active Front –End Rectifier Using Dynamic Phasors Concept	Tao Yang, Serhiy Bozhko, Greg Asher		2012 IEEE International Symposium on Industrial Electronics	Proceedings of IEEE International Symposium on Industrial Electronics	IEEE Xplore		May-12		DOI: 10.1109/ISIE.2012.6237117	ISBN: 978-1-4673-0159-6
				32	INNOVATIVE APPROACHES TO ELECTROMECHANICAL FLIGHT CONTROL ACTUATORS AND SYSTEMS	CHRISTMANN Markus, SEEMANN Sebastian, JANKER Peter		Recent Advances in Aerospace Actuation Systems and Components	Proceedings of R3ASC'12 International Conference, Toulouse	TIB for Research and Business	Toulouse (France)	May-10	pp. 17-23	ISBN : 9782876490604	
Clean Sky	SGO	WP3.1		33	A weather dependent noise contour prediction concept: combining a standard method with ray tracing	Sander J. Heblj, Michael Arntzen, Dick G. Simons		EURONOISE 2012 Conference	NLR-TP-2012-251	NLR web site	Prague (Czech Republic)	Jun-12		ISBN: 9788001050132	ISBN 978-80-01-05013-2
Clean Sky	SGO	WP2.3.4.2		34	Control and monitoring concept for a fault-tolerant electromechanical actuation system	SEEMANN Sebastian, CHRISTMANN Markus, JANKER Peter		Recent Advances in Aerospace Actuation Systems and Components	Proceedings of R3ASC'12 International Conference, Toulouse	TIB for Research and Business	Toulouse (France)	Jun-12	pp. 39-43	ISBN : 9782876490628	
Clean Sky	SGO	WP2		35	Optimisation of an Aerospace Electromechanical Actuator with Focus on Non-Linear Modelling of the Electrical Machine	M. Rottach, C. Gerada, P. W. Wheeler, T. Hamiti		International Conference on Recent Advances in Aerospace Actuation Systems and Components	Proceedings of R3ASC'12 International Conference, Toulouse	TIB for Research and Business	Toulouse (France)	Jun-12	pp. 116-121	ISBN 978-2-87649-062-8	
Clean Sky	SGO	WP2	More-Electric Aircraft, Autotransformer Rectifier units, Dynamic phasors	36	Dynamic Phasor Modeling of Autotransformer Rectifier Units for More Electric Aircraft	Tao Yang, Serhiy Bozhko, Greg Asher		Power Electronics and Motion Control Conference (IPEMC), 2012 7th International Conference	Proceedings of The 7th International Power Electronics and Motion Control Conference	IEEE Xplore	Harbin (China)	Jun-12	pp. 1566 - 1572	DOI: 10.1109/IPEMC.2012.6259066	
Clean Sky	SGO	WP3.3		37	Benefits of Optimal Flight Planning on Noise and Emissions Abatement at the Frankfurt Airport	R. Fernandes de Oliveira, C. Büskens.		AIAA Guidance, Navigation, and Control Conference	AIAA GNC conference, AIAA 2012-4482	ARC	Minneapolis (Minnesota)	Aug-12	pp. 1-19	DOI: 10.2514/6.2012-4482	eISBN: 978-1-60086-938-9
Clean Sky	SGO	WP3.2.1		38	GATAC – A Generic Framework for Multi-Parameter Optimization of Flight Trajectories	Matthew Xuereb, Kenneth Chircop, David Zammit-Mangion		AIAA Modeling and Simulation Technologies Conference, Guidance, Navigation, and Control and Co-located Conferences	AIAA GNC/MST conference, AIAA 2012-4798	ARC	Minneapolis (Minnesota)	Aug-12		http://dx.doi.org/10.2514/6.2012-4798	
Clean Sky	SGO	WP3.2		39	Optimization of Fuel Consumption in Climb Trajectories using Genetic Algorithm Techniques	M. Sammut, Zammit-Mangion, R. Sabatini	D.	AIAA Modeling and Simulation Technologies Conference, Guidance, Navigation, and Control and Co-located Conferences	AIAA GNC/MST conference, AIAA 2012-4829	ARC	Minneapolis (Minnesota)	Aug-12		http://dx.doi.org/10.2514/6.2012-4829	
Clean Sky	SGO	WP3.1		40	Design and Validation of a Detailed Aircraft Performance Model for Trajectory Optimization	William Camilleri, Kenneth Chircop, David Zammit-Mangion, Roberto Sabatini, Vishal Sethi		AIAA Modeling and Simulation Technologies Conference, Guidance, Navigation, and Control and Co-located Conferences	AIAA GNC/MST conference, AIAA 2012-4566	ARC	Minneapolis (Minnesota)	Aug-12		http://dx.doi.org/10.2514/6.2012-4566	
Clean Sky	SGO	WP2.1		41	Towards a Model-Based Energy System Design Process	Daniel Schlabe, Michael Sielemann, Christian Schallert, Dirk Zimmer, Kuhn, Johann Bals		SAE 2012 Power Systems Conference	"SAE power system conference" (Phoenix, Arizona, USA) - 30. October 2012	SAE Internaional	Phoenix (Arizona)	Oct-12		DOI : 10.4271/2012-01-2219	
Clean Sky	SGO	WP2	Auto-tuning; EMA; Matrix converters; PI control; PMSM	42	PI Controller Relay Auto-Tuning Using Delay and Phase Margin in PMSM Drives	Lina Wanga, Kun Xiaob, Liliana de Lillo, Lee Empringhamc, Pat Wheelerc		Chinese Journal of Aeronautics	Volume 27, Issue 6	Elsevier Chinese Journal of Aeronautics		Dec-14	Pages 1527–1537	http://dx.doi.org/10.1016/j.cja.2014.10.019	
Clean Sky	SGO	WP2	reluctance machines, Aerospace, flux switch, segmented rotor, torque density	43	Design Considerations for an Outer Rotor, Field Wound, Flux Switching Machine	M. Galea, C. Gerada, T. Hamiti		2012 XXth International Conference on Electrical Machines	ICEM 2012	IEEE Xplore	Marseille (France)	Sep-12	pages 171 - 176	DOI: 10.1109/CEIMach.2012.6349859	
Clean Sky	SGO	WP2	Tooth-width ratio, AC losses, Fault tolerant, Permanent magnet, Proximity, Split ratio	44	Fault Tolerant Winding Design – A Compromise Between Losses and Fault Tolerant Capability	Puvan Arumugam, Tahar Hamiti, Chris Gerada		2012 XXth International Conference on Electrical Machines	ICEM 2012	IEEE Xplore	Marseille (France)	Sep-12	Pages 2559 - 2565	DOI: 10.1109/CEIMach.2012.6350245	ISBN: 978-1-4673-0143-5
Clean Sky	SGO	WP2	thermal network, Design optimisation, electric machines, fault tolerance, permanent magnet machines, reluctance network	45	A Computationally Efficient Design Procedure for Actuator Motors using Magnetic Reluctance and Thermal Resistance Network Models	M. Rottach, C. Gerada, Hamiti, Wheeler	T. P. W.	2012 XXth International Conference on Electrical Machines	ICEM 2012	IEEE Xplore	Marseille (France)	Sep-12	pages 2526 - 2532	DOI: 10.1109/CEIMach.2012.6350240	

Clean Sky	SGO	WP3.2	electromechanical electro-hydrostatic servohydraulic actuator power	46	TRAJECTORY OPTIMISATION FOR ENERGY EFFICIENCY OF AN AIRCRAFT WITH ELECTRICAL AND HYDRAULIC ACTUATION SYSTEMS	M. A. Cooper, C. P. Lawson, D. Quaglia, D. Zammit-Mangion, R. Sabatini	28th Congress of the International Council of the Aeronautical Sciences	Paper ICAS 2012-6.7.3	ICAS	Brisbane (Australie)	Sep-12	pages 1-13	http://www.icas.org/ICAS_ARCHIVE/ICAS2012/ABSTRACTS/365.HTM	ISBN 978-0-9565333-1-9
Clean Sky	SGO	WP3.3	Wind forecasting, Aircraft, Atmospheric modeling, Trajectory, Clouds	47	Effects of weather condition on aircraft emission in climb phase	Gabriella Serafino, Stefano Mininel, Gabriella Stecco, Massimiliano Nolic, Walter Ukovich, Giovanni Pedroncelli	31st Digital Avionics Systems Conference (DASC)	October 2012 in Williamsburg, VA.	IEEE Xplore	Williamsburg (Virginia)	Oct-12	pages : 3A6-1 - 3A6-12	DOI: 10.1109/DASC.2012.6382306	ISBN: 978-1-4673-1699-6
Clean Sky	SGO	WP2.3.4.2	Switches, Computational modeling, Monitoring, Force, Variable speed drives	48	Simulation of a Fault-Tolerant Electromechanical Actuation System for Helicopter Swashplates in Modelica	S. Seemann, M. Rottach, S. Bozhko, C. Schlegel	Electrical Systems for Aircraft, Railway and Ship Propulsion	ESARS 2012	IEEE Xplore	Munich (Germany)	Oct-12	pages 1-7	DOI: 10.1109/ESARS.2012.6387389	
Clean Sky	SGO	WP3.1 & WP3.2	GATAC; Aircraft performance model; Engine Performance simulation Model; NOx emissions	49	GENERIC FRAMEWORK FOR MULTI-DISCIPLINARY TRAJECTORY OPTIMIZATION OF AIRCRAFT AND POWER PLANT INTEGRATED SYSTEMS	Rukshan Navaratne, Marco Tessaro, Weiqun Gu, Vishal Sethi, Pericles Pilidis, Roberto Sabatini, David Zammit-Mangion	Journal of Aeronautics & Aerospace Engineering	Volume 2, Issue 1	OMICS International		Sep-12	pages 1-14	doi:10.4172/2168-9792.1000103	
Clean Sky	SGO	WP2	Firing, Thyristors, Load modeling, Ice, Switches, Current measurement, Electromagnetic interference	50	Conducted Emission Analysis of Electric Nacelle Anti Ice System in Aircraft	Qian Zhou, Angela Nothofer	Electrical Systems for Aircraft, Railway and Ship Propulsion	ESARS 2012	IEEE Xplore	Munich (Germany)	Oct-12	pages 1-5	DOI: 10.1109/ESARS.2012.6387476	ISBN: 978-1-4673-1370-4
Clean Sky	SGO	WP3.1		51	A weather dependent noise contour prediction concept: Calculating multi-event noise contours with ray-tracing	Michael Arntzen, Sander Heblj, Dick Simons	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	AIAA 2012-5412	ARC AIAA 2012-5412	Indianapolis (Indiana)	Sep-12		http://dx.doi.org/10.2514/6.2012-5412	
Clean Sky	SGO	WP3		52	Sensitivity analyses of the emissions of NOx from a turbofan engine based on engine model (TURBOGAS).	N. Duchene, K. Synlyo	THE FIFTH WORLD CONGRESS "AVIATION IN THE XXI-st CENTURY"	Proceedings of RMSW-2012	Volume 2	Kiev (Ukraine)	Sep-12	pages 600:605	http://congress.nau.edu.ua/doc/congress-2012/Congress_2012_V2.pdf	
Clean Sky	SGO	WP2.1		53	Modelling and Use of an Aircraft Electrical Network Simulation for Harmonics Consideration in Generator Design	Kuhn M., M., Rekik Bals, J.	SAE 2012 Power Systems Conference	SAE 2012	Technical Paper 2012-01-2220	Phoenix (Arizona)	Oct-12	pages 15	doi:10.4271/2012-01-2220	
Clean Sky	SGO	WP2		54	Modeling of An 18-pulse Autotransformer Rectifier Unit with Dynamic Phasors	Yang T., Asher G., Bozhko, S.	SAE 2012 Power Systems Conference	SAE 2012	Technical Paper 2012-01-2159	Phoenix (Arizona)	Oct-12	pages 11	doi:10.4271/2012-01-2159	
Clean Sky	SGO	WP2		55	Application of Dynamic Phasors for Modeling of Active Front-End Converter for More-Electric Aircraft	Bozhko S., Yang T., Asher, G.	SAE 2012 Power Systems Conference	SAE 2012	Technical Paper 2012-01-2157	Phoenix (Arizona)	Oct-12	pages 13	doi:10.4271/2012-01-2157	
Clean Sky	SGO	WP2		56	Modeling of Uncontrolled Rectifiers Using Dynamic Phasors	T. Yang, V. Bozhko, G. M. Asher	Electrical Systems for Aircraft, Railway and Ship Propulsion Conference	ESARS 2012	IEEE Xplore	Munich (Germany)	Oct-12	pages 1-6	DOI: 10.1109/ESARS.2012.6387471	ISBN: 978-1-4673-1370-4
Clean Sky	SGO	WP2.3.4.2		57	Modeling of a Fault-Tolerant Electromechanical Actuation System for Helicopters using Modelica	S. Seemann, M. Rottach, S. Bozhko, C. Schlegel	Electrical Systems for Aircraft, Railway and Ship Propulsion Conference	ESARS 2012	IEEE Xplore	Bologna (Italy)	Oct-12	pp. 1-7	DOI: 10.1109/ESARS.2012.6387389	
Clean Sky	SGO	WP2		58	Progress in the TEMPO Project: A Modelica Library for Scalable Modelling of Aircraft Environmental Control Systems	P. Jordan, G. Scimitz	Proceedings of 4th. International Workshop on Aircraft System Technologies (AST 2013),	AST 2013	Otto von Estorff	Hamburg (germany)	Apr-13		https://www.shaker.de/de/content/catalogue/index.asp?lang=de&ID=8&ISBN=978-3-8440-1850-9	ISBN: 978-3-8440-1850-9
Clean Sky	SGO	WP 3.7		59	Operational and environmental assessment of the electric taxi based on fast-time simulation	Richard Wollenheit, Thorsten Mülhausen	Transportation Research Record: Journal of the Transportation Research Board	TRB 92nd Annual Meeting, Washington D.C., Volume 2336	Transportation Research Board (TRB)	Washington D.C.	Jan-13	pp. 36-42	DOI: http://dx.doi.org/10.3141/2336-05	
Clean Sky	SGO			60	NOISE ABATEMENT DEPARTURE TRAJECTORY OPTIMIZATION USING A GENETIC ALGORITHM	HG Visser, Hartjes	Proceedings of the 20th International Congress on Sound and Vibration 2013	ISCSV 2013 - Volume 1	IEEE Xplore	Bangkok (Thailand)	Jul-13	pp. 333-340	ISBN: 978-1-62993-150-0	
Clean Sky	SGO			61	ANTI-JAMMING PYROMECHANISM FOR ELECTROMECHANICAL ACTUATORS	Naubert A., Christmann M., Jänker, P., Binz H.	Proceedings of 4th. International Workshop on Aircraft System Technologies (AST 2013),	AST 2013	Otto von Estorff	Hamburg (germany)	Apr-13	pages 139-147	https://www.shaker.de/de/content/catalogue/index.asp?lang=de&ID=8&ISBN=978-3-8440-1850-9	

Clean Sky	SGO			62	Automated Intent Negotiation and Validation System for 4-Dimensional Trajectory Based Operations	A. Gardi, Sabatini, Ridder, Ramasamy, Rodriguez Salazar	R. K. De S. L.	Proceedings of European Navigation Conference (ENC) 2013	ENC 2013	ENC 2013	Vienna (Austria)	Apr-13		http://www.enc2013.org/index.php/enc/proceedings	
Clean Sky	SGO			63	A Novel Flight Management System for SESAR Intent Based Operations	R. Sabatini, Gardi, Liu	A. Y.	Proceedings of European Navigation Conference (ENC) 2013	ENC 2013	ENC 2013	Vienna (Austria)	Apr-13		http://www.enc2013.org/index.php/enc/proceedings	
Clean Sky	SGO			64	Novel Flight Management System for Real-Time 4-Dimensional Trajectory Based Operations.	S. Ramasamy, R. Sabatini, Gardi, Liu	A. Y.	AIAA Guidance, Navigation, and Control (GNC) Conference,	Proceedings of AIAA Guidance, Navigation and Control Conference	AIAA 2013-4763	Boston (Massachusetts)	Aug-13		http://dx.doi.org/10.2514/6.2013-4763	
Clean Sky	SGO			65	4-Dimensional Trajectory Negotiation and Validation System for the Next Generation Air Traffic Management	A. Gardi, De Ridder, Sabatini, Ramasamy	K. R. S.	AIAA Guidance, Navigation, and Control (GNC) Conference,	Proceedings of AIAA Guidance, Navigation and Control Conference	AIAA 2013-4893	Boston (Massachusetts)	Aug-13		http://dx.doi.org/10.2514/6.2013-4893	
Clean Sky	SGO	WP 3.3.2		66	Time and Energy Management during Descent and Approach: Human vs. Automated Response	P. M. A. de Jong, N. de Gelder, R. P. M. Verhoeven, M. Mulder		32nd Digital Avionics Systems Conference (DASC)	DASC 2013	IEEE Xplore	East Syrac (USA)	Oct-13	Pages: 2C3-1 - 2C3-11	DOI: 10.1109/DASC.2013.6712540	
Clean Sky	SGO			67	Environmental Impact Assessment, on the Operation of Conventional and More Electric Large Commercial Aircraft	Ravinka Seresinhe, Craig Lawson, Roberto Sabatini		Proceedings of the SAE 2013 Aerotech Congress & Exhibition	SAE International Journal of Aerospace September 2013	vol. 6 no. 1		Sep-13	pages 54-56	doi: 10.4271/2013-01-2086	
Clean Sky	SGO		transfer function, control design, flux weakening, linearization, root locus, starter-generator	68	Control Design For PMM Starter-Generator Operated In Flux-Weakening Mode	F. Gao, Bozhko, Shen,	S. Y. G. Asher	Proceedings of the 48th International Universities' Power Engineering Conference	UPEC 2013	IEEE Xplore	Dublin (Ireland)	Sep-13	pp. 1-6	DOI: 10.1109/UPEC.2013.6714982	
Clean Sky	SGO		constant power load, aerospace, small signal analysis, permanent magnet, active front rectifier, generation, more electric aircraft, aircraft power system	69	Stability Analysis of Aircraft Electrical Power System with Active Front Rectifier System in Generation Channel	Yeoh Seang Shen, Linying Xia, Serhiy Bozhko, Greg Asher		Proceedings of the 48th International Universities' Power Engineering Conference	UPEC 2013	IEEE Xplore	Dublin (Ireland)	Sep-13	pp. 1-6	DOI: 10.1109/UPEC.2013.6715025	
Clean Sky	SGO		modelling, formatting, style, styling, DC series arc fault, arc characteristic	70	Arc fault studies and modeling for a DC distribution system	Jing Li, David W. P. Thomas, Mark Sumner, Edward Christopher, Yang Cao		Proceedings of the Power and Energy Engineering Conference	2013 IEEE-APPEEC (PES Asia-Pacific) -	IEEE Xplore	Hong Kong	Dec-13	pp. 1-6	DOI: 10.1109/APPEEC.2013.6837250	
Clean Sky	SGO		thermal network, Design optimisation, electric machines, fault tolerance, permanent magnet machines, reluctance network	71	Evaluation of Motor-Drive Segmentation Strategies for Fault-Tolerance	M. Rottach, C. Gerada, P. W. Wheeler		Proceedings of the 5th IEEE Annual International Energy Conversion Congress and Exhibition	ECCE Asia 2013	IEEE Xplore	Melbourne (Australia)	Jun-13	pp. 530-536	DOI: 10.1109/ECCE-Asia.2013.6579148	
Clean Sky	SGO		Design, Pulse Width Modulation (PWM), Passive filter, Optimization, Airplane	72	Optimal LCL filter design for 3-phase Space Vector PWM rectifiers on variable frequency aircraft power system	Lei Shen, Greg Asher, Patrick Wheeler, Serhiy Bozhko		Proceedings of the 15th European Conference on Power Electronics and Applications (EPE)	EPE'13 ECCE Europe	IEEE Xplore	Lille (France)	Septembre 2013	pp. 1-8	DOI: 10.1109/EPE.2013.6631911	
Clean Sky	SGO		Synchronous generator, Dynamic phasor, Multi-generator system, More-electric aircraft	73	Multi-generator system modelling based on dynamic phasor concept	Tao Yang, Serhiy Bozhko, Greg Asher		Proceedings of the 15th European Conference on Power Electronics and Applications (EPE)	EPE'13 ECCE Europe	IEEE Xplore	Lille (France)	Septembre 2013	pp. 1-8	DOI: 10.1109/EPE.2013.6631919	
Clean Sky	SGO		robustness, structural singular value, uncertain systems, stability analysis	74	Modelling and Robust Stability Analysis of Uncertain Systems	Sharmila Sumsurooah, Milijana Odavic, Dushan Boroyevich		Proceedings of the 2013 Grand Challenges on Modeling and Simulation Conference	GCMS 2013	ACM Digital Library	Toronto (Canada)	Jul-13		ISBN: 978-1-62748-275-2	

Clean Sky	SGO		synchronous machines, Aerospace, Halbach arrays, high torque density, permanent magnets	75	Torque density improvements for high performance machines	M. Galea, Hamiti, Gerada	T. C.	Proceedings of the 2013 International Electric Machines & Drives Conference	IEMDC 2013.	IEEE Xplore	Chicago (USA)	May-13	pp. 1066 - 1073	DOI: 10.1109/IEMDC.2013.6556228
Clean Sky	SGO			76	Considerations for Manufacturing and Experimental Validation of a PM, Tubular Motor for a Matrix Converter Driven Aerospace Application	M. Galea, G. Buticchi, L. Empringham, L. de Lillo, C. Gerada		Proceedings of the 9th International Symposium on Linear Drives for Industry Applications	LDIA 2013	proceedings.com	Hangzhou (China)	Jul-13	pp. 293-299	DOI: 10.4028/www.scientific.net/AMM.416-417.293
Clean Sky	SGO		matrix converter, Silicon carbide, MOSFET, parasitic, switching characteristics	77	Experimental study of parasitic inductance influence on SiC MOSFET switching performance in Matrix converter	Saeed Safari, Alberto Castellazzi, Pat Wheeler		Proceedings of the 15th European Conference on Power Electronics and Applications (EPE)	EPE'13 ECCE Europe	IEEE Xplore	Lille (France)	Septembre 2013	pp. 1-9	DOI: 10.1109/EPE.2013.6634685
Clean Sky	SGO		Packaging, Virtual prototyping, Modelling, Simulation, Thermal design	78	Automatic design optimisation for power electronics modules based on rapid dynamic thermal analysis	P. L. Evans, A. Castellazzi, S. Bozhko, M. Johnson	C.	Proceedings of the 15th European Conference on Power Electronics and Applications (EPE)	EPE'13 ECCE Europe	IEEE Xplore	Lille (France)	Septembre 2013	pp. 1-10	DOI: 10.1109/EPE.2013.6634661
Clean Sky	SGO			79	Time and Energy Management During Descent and Approach: Batch Simulation Study	M. A. de Jong, N. de Gelder, P. M. Verhoeven, F. J. L. Bussink, R. Kohrs, M. van Paassen, M. Mulder	R. M.	Journal of Aircraft	ARC	Vol. 52, No. 1		Nov-14	pp. 190-203.	http://dx.doi.org/10.2514/1.C032668
Clean Sky	SGO		Environmental control system, scalable detail, object-oriented modelling, library	80	A Modelica Library for Scalable Modelling of Aircraft Environmental Control Systems	Philip Jordan, Gerhard Schmitz		Proceedings of the 10th International Modelica Conference	10th International Modelica Conference	Modelica.org	Lund (Sweden)	Mar-14	pp. 599-608	DOI: 10.3384/ECP14096599
Clean Sky	SGO		V&V; electrical network; simulation; aircraft	81	Modelica for large scale aircraft electrical network V&V	Martin R. Kuhn, Yang Ji		Proceedings of the 10th International Modelica Conference	10th International Modelica Conference	Modelica.org	Lund (Sweden)	Mar-14	pp. 747-756	DOI: 10.3384/ECP14096747
Clean Sky	SGO		Radar polarimetry, Weather decision making, Electronic Flight Bag, Trajectory optimization	82	POLARIMETRIC AVIONIC WEATHER RADAR FOR INCREASING FLIGHT SAFETY AND EFFICIENCY	Alberto Lupidi, Stefano Lischì, Fabrizio Berizzi, Marco Martorella, Fabrizio Cuccoli		ICAS Conference	29th Congress of the International Council of the Aeronautical Sciences (ICAS)	Vol. 5	St. Petersburg (Russia)	Sep-14	pp. 3911-3918	ISBN: 978-1-63439-411-6
Clean Sky	SGO	WP3.2	Aircraft ice protection, next-generation, trajectory optimisation	83	AN INTELLIGENT ICE PROTECTION SYSTEM FOR NEXT GENERATION AIRCRAFT TRAJECTORY OPTIMISATION	Ahmed Shinkafi, Craig Lawson, Ravinka Seresinhe, Daniele Quaglia, Irfan Madani		ICAS Conference	29th Congress of the International Council of the Aeronautical Sciences (ICAS)	Vol. 5	St. Petersburg (Russia)	Sep-14	pp 3919-3932	ISBN: 978-1-63439-411-6
Clean Sky	SGO	WP3.6		84	MULTI-OBJECTIVE TRAJECTORY OPTIMIZATION TO REDUCE AIRCRAFT EMISSIONS IN CASE OF UNFORESEEN WEATHER EVENTS	G. Serafino		ICAS Conference	29th Congress of the International Council of the Aeronautical Sciences (ICAS)	vol. 6	St. Petersburg (Russia)	Sep-14	pp 4712-4720	ISBN: 978-1-63439-411-6
Clean Sky	SGO			85	Enhancement of a time and energy management algorithm for continuous descent operations	Xavier Prats, Cristina Barrado, Marc Perez-Battle, Santi Vilardaga, Isidro Bas, Florent Birling, Ronald Verhoeven, Adri Marsman		Proceedings of the 14th AIAA Aviation Technology, Integration, and Operations Conference, AIAA AVIATION Forum	14th AIAA Aviation Technology, Integration, and Operations Conference, AIAA AVIATION Forum	ARC	Atlanta (USA)	Jun-14	pp. 1-11	https://doi.org/10.2514/6.2014-3151
Clean Sky	SGO			86	CHALLENGES OF THE SIZING OF BALLSCREWS FOR THEIR USE IN THE PRIMARY FLIGHT CONTROL SYSTEM OF A HELICOPTER	Thomas Münzing, Hansgeorg Binz		Proceedings of the 58th ILMENAU SCIENTIFIC COLLOQUIUM	58 th IWK	ILMEDIA	Ilmenau (Germany)	Sep-14	pp. 1-9	URN (Paper): urn:nbn:de:gbv:ilm1-2014iwk-050:6

Clean Sky	SGO		more-electric aircraft, high speed machines, permanent magnet, multi-level converter, starter-generator	87	An optimised bi-directional wide speed range electric starter-generator for aerospace application	Marco Degano, Puvan Arumugam, Weeramundage Fernando, He Tao Yang, Zhang, Borg Bartolo, Serhiy Bozhko, Patrick Wheeler, Chris Gerada	Proceedings of the 7th IET International Conference on Power Electronics, Machines and Drives	PEMD 2014	IEEE XPLORE	Manchester (UK)	Apr-14	pp. 1-6	DOI: 10.1049/cp.2014.0483
Clean Sky	SGO			88	Design Optimisation of a Fault-Tolerant PM Motor Drive for an Aerospace Actuation Application	M. Rottach, C. Gerada, P.W. Wheeler	Proceedings of the 7th IET International Conference on Power Electronics, Machines and Drives	PEMD 2014	IEEE XPLORE	Manchester (UK)	Apr-14	pp. 1-6	DOI: 10.1049/cp.2014.0484
Clean Sky	SGO			89	Helicopter EMA Systems : Electrical Drive Optimisation and Test	M. Rottach, C. Gerada, P. Wheeler	Proceedings of the sixth International Conference on Recent Advances in Aerospace Actuation Systems and Components	R3AC'14	volume 6	Toulouse (France)	Apr-14	pp. 9-13	ISBN: 9782876490635
Clean Sky	SGO	WP3.6	Multi-object trajectory optimization, Emissions reduction, Weather avoidance Flight simulation	90	Multi-objective Aircraft Trajectory Optimization for Weather Avoidance and Emissions Reduction	G. Serafino	Second International Workshop, MESAS 2015	Proceedings of the Second International Workshop, MESAS 2015	vol 9055	Prague (Czech Republic)	Apr-15	pp 226-239	DOI https://doi.org/10.1007/978-3-319-22383-4_18
Clean Sky	SGO			91	Turboprop aircraft noise: Advancements and comparison with flyover data	A. Filippone	The Aeronautical Journal	Cambridge University press	Vol. 119 issue 1215		May-15	pp. 595-619.	DOI: https://doi.org/10.1017/S0001924000010691
Clean Sky	SGO			92	Aircraft Noise Prediction	A. Filippone	Progress in Aerospace Sciences - journal	Manchester 1824	Vol. 68		Mar-14	pp. 27-63	DOI: 10.1016/j.paerosci.2014.02.001
Clean Sky	SGO			93	Comparison of Aircraft Noise Models with Flyover Data	A. Filippone, Lothar Bertsch	Journal of Aircraft	ARC	Vol. 51, No. 3		Mar-14	pp. 1043-1047	http://dx.doi.org/10.2514/1.C032368
Clean Sky	SGO			94	Multi-Disciplinary Simulation of Propeller-Turboprop Aircraft Flight	A. Filippone, Z. Mohamed-Kassim	The Aeronautical Journal	Cambridge University press	Volume 116 issue 1184		Oct-12	pp. 985 – 1014	DOI: https://doi.org/10.1017/S0001924000007454
Clean Sky	SGO		Meteorological radar, Radar polarimetry, Reflectivity, Meteorology, Doppler radar, Radar cross section	95	Polarimetry applied to avionic weather radar: improvement on meteorological phenomena detection and classification	Alberto Lupidi, Christian Moscardini, Andrea Garzelli, Fabrizio Berizzi, Fabrizio Cuccoli, Marcello Bernabò	Proceedings of the 2011 Tyrrhenian International Workshop on Digital Communications - Enhanced Surveillance of Aircraft and Vehicles	TIWDC/ESAV conference	IEEE Xplore	Capri (Italy)	Sep-11	Pages: 73 - 77	ISBN: 978-88-903482-3-5
Clean Sky	SGO			96	Digital Pulse Compression Waveform Applied to Avionic Polarimetric Weather Radar	A. Lupidi, L. Facheris, F. Cuccoli	Proceedings of the 13th International Radar Symposium	13th International Radar Symposium	IEEE Xplore	Warsaw (Poland)	May-12	pp. 496 - 500	DOI: 10.1109/IRS.2012.6233395
Clean Sky	SGO			97	Validation of the Advanced Polarimetric Doppler Weather Radar Simulator with Polar55C real observations	Alberto Lupidi, Stefano Lischi, Fabrizio Cuccoli, Luca Baldini, Nicoletta Roberto	Proceedings of the 15th International Radar Symposium (IRS)	IRS 2014	IEEE Xplore	GDAŃSK (Poland)	Jun-14	pp. 1-6	DOI: 10.1109/IRS.2014.6869250
Clean Sky	SGO		WRF, Weather radar, radar polarimetry, radar simulation, T-Matrix	98	Advanced Polarimetric Doppler Weather Radar Simulator	S. Lischi, A. Lupidi, M. Martorella, F. Cuccoli, L. Facheris, L. Baldini	Proceedings of the 15th International Radar Symposium (IRS)	IRS 2014	IEEE Xplore	GDAŃSK (Poland)	Jun-14	pp. 1-6	DOI: 10.1109/IRS.2014.6869252
Clean Sky	SGO			99	The X-WALD project: Towards a Cleaner sky	M. D'Amico, S. Lischi, A. Lupidi, F. Cuccoli, S. Berizzi, F. Placidi, Milani	Proceedings of the 11th European Radar Conference	EuRAD 2014 Conference	IEEE Xplore	Rome (Italy)	Jun-14	pp. 585-588	DOI: 10.1109/EuRAD.2014.6991338
Clean Sky	SGO		Failure analysis, Electric power, Aircraft, Electric vehicles	100	Model based system level studies of More Electric Aircraft	Yang Ji, Martin Kuhn	Proceedings of the SAE 2014 Aerospace Systems and Technology Conference	SAE 2014	SAE International	Cincinnati (USA)	Sep-13	pp. 1-17	DOI: https://doi.org/10.4271/2014-01-2177

Clean Sky	SGO		ice protection, next-generation, trajectory optimisation	101	AN INTELLIGENT ICE PROTECTION SYSTEM FOR NEXT GENERATION AIRCRAFT TRAJECTORY OPTIMISATION	Ahmed Shinkafi, Craig Lawson, Ravinka Seresinhe, Daniele Quaglia, Irfan Madani	Proceedings of the 29th Congress of the International Council of the Aeronautical Sciences	INCAS 2014	Proceedings.com	St. Petersburg (Russia)	Sep-14	pp. 3919-3932	ISBN: 978-1-63439-411-6	
Clean Sky	SGO		Integrated airframe systems modelling, more-electric aircraft, trajectory optimisation	102	AIRFRAME SYSTEMS POWER OFF-TAKE MODELLING IN MORE-ELECTRIC LARGE AIRCRAFT FOR USE IN TRAJECTORY OPTIMISATION	R. Seresinhe, C. Lawson, A. Shinkafi, Quaglia, Madani	Proceedings of the 29th Congress of the International Council of the Aeronautical Sciences	INCAS 2014	Proceedings.com	St. Petersburg (Russia)	Sep-14	pp. 3919-3932	ISBN: 978-1-63439-411-6	
Clean Sky	SGO			103	REAL-TIME AIRCRAFT CONTINUOUS DESCENT TRAJECTORY OPTIMIZATION WITH ATC TIME CONSTRAINTS USING DIRECT COLLOCATION METHODS	Ronald Verhoeven, Ramon Dalmau, Xavier Prats, Nico de Gelder	Proceedings of the 29th Congress of the International Council of the Aeronautical Sciences	INCAS 2014	Proceedings.com	St. Petersburg (Russia)	Sep-14	pp. 3356-3364	ISBN: 978-1-63439-411-6	
Clean Sky	SGO			104	Model-Based Thermal Management Functions for Aircraft Systems	Daniel Schlabe, Jens Lienig	Proceedings of the SAE 2014 Aerospace Systems and Technology Conference	ASTC 2014	SAE International	Cincinnati (USA)	Sep-14	pp. 1-10	doi:10.4271/2014-01-2203.	
Clean Sky	SGO			105	The X-WALD project: Towards a Cleaner sky	M. D'Amico, S. Lischi, A. Lupidi, F. Cuccoli, F. Berizzi, S. Placidi, Milani	Proceedings of the 44th European Microwave Conference	44th EuMC 2014	IEEE Xplore	Rome (Italy)	Jun-14	pp. 1888 - 1891,	DOI: 10.1109/EuMC.2014.6986830	
Clean Sky	SGO			106	An Object-oriented Model for Development and Assessment of Green Taxiing Systems	F. Re	Proceedings of the Greener Aviation: Clean Sky breakthroughs and worldwide status	Greener Aviation Conference	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-7		
Clean Sky	SGO			107	TEMO improves benefits of CDAs, next step towards TRL-5	A.P.L.A. Marsman	Proceedings of the Greener Aviation: Clean Sky breakthroughs and worldwide status	Greener Aviation Conference	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-5		
Clean Sky	SGO			108	Challenges in A/C noise Prediction	A Filippone	Greener Aviation: Cleansky breakthroughs and worldwide status	Paper 2968130	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-6		
Clean Sky	SGO			109	Development of A/C Electric Starter-Generator System with Active Rectification technology	Serhiy Bozhko	Greener Aviation: Cleansky breakthroughs and worldwide status	Paper 2968130	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-6		
Clean Sky	SGO			110	Packaging / Assembling technology for a high performance Sic-based planar power module	Jianfeng Li, Pearl Agyakwa, Paul Evans, Christopher Mark Johnson, Yimin Zhao, Yibo Wu, Kim Evans	Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_03_LI	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-9		
Clean Sky	SGO			111	Model Exchange in Industrial Practice	Dirk Zimmer, Tim Giese, Matthieu Crespo, Sébastien Vial	Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_08_ZIMMER	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-8		
Clean Sky	SGO			112	Power electronics technology modules for successful implementation in the more electric aircraft	A. Engler, R. Cremer, R. De Maglie, J. S. Liebig, Engstler,	Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_19_ENGLER	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-7		
Clean Sky	SGO			113	Next generation design framework for the aircraft electric power system	Martin R. Kuhn, Yang Ji	Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_074_KUHN	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-9		

Clean Sky	SGO			114	Design and development of an aircraft taxi motor-drive	M. Galea, Z. Xu, Tighe, Hamiti, C. Gerada, S. Pickering	C. T.	Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_20_GALEA	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-2		
Clean Sky	SGO			115	Functional Modelling of Aircraft Electric Power Systems using Dynamic Phasors	Tao Yang, Serhiy Bozhko, Greg Asher		Greener Aviation: Cleansky breakthroughs and worldwide status	OEM_21_BOZHKO	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-10		
Clean Sky	SGO		Dynamic Phasor; More-Electric Aircraft; Modelica	116	Modelling of Electrical Power Systems with Dynamic Phasors in Modelica	Tao Yang, Serhiy Bozhko, Greg Asher		Proceedings of the 10th International Modelica Conference	ecp14096053	Modelica Conference 2014	Lund (Sweden)	Mar-14	pp. 507-514	DOI 10.3384/ECP14096507	
Clean Sky	SGO		Electromechanical actuator, electric machines, fault tolerance, permanent magnet machines, rotorcraft actuator	117	Design and Optimisation of the Electrical Drive-Train of a Fault-Tolerant Rotorcraft EMA	M. Rottach, C. Gerada, P.W. Wheeler		Greener Aviation: Cleansky breakthroughs and worldwide status	Proceedings of the Greener Aviation: Clean Sky breakthroughs and worldwide status	3AF conference	Bruxelles (Belgium)	Mar-14	pp. 1-5		
Clean Sky	SGO		Torque, Object oriented modeling, Mathematical model, Reluctance machines, Finite element analysis, Analytical models, Switches	118	A Novel Modelica Based Design Platform for Switched Reluctance Drive Systems	Yang Ji		Proceedings of the 17th International Conference on Electrical Machines and Systems	ICEMS 2014	proceedings.com	Hangzhou (China)	Oct-14	pp. 3302 - 3308	DOI: 10.1109/ICEMS.2014.7014062	
Clean Sky	SGO		avionic radar, weather radar, polarimetry, radar system simulation	119	Capabilities and Potential of an Avionic Polarimetric Weather Radar Simulator	Alberto Lupidi, Stefano Lischi, Fabrizio Cuccoli, Fabrizio Berizzi, Luca Facheris		SPSymposium 2015 Conference	Signal Processing Symposium	IEEE Xplore	Debe (Poland)	Jun-15	pp. 180-184	DOI: 10.1109/SPS.2015.7168265	ISBN: 9781467369251
Clean Sky	SGO	WP2.1	executable specification, requirements, aircraft system design, FFT-based requirements	120	Model Based Specifications in Aircraft Systems Design	Martin R. Kuhn, Martin Otter, Tim Giese		Proceeding of the 11th International Modelica Conference	The 11th International Modelica Conference 2015	Modelica	Versailles (France)	Sep-15	pp. 491-500	DOI: 10.3384/ecp15118491	
Clean Sky	SGO	WP2.1	safety analysis, reliability analysis, minimal	121	Automated Safety Analysis by Minimal Path Set Detection for Multi-Domain Object-Oriented Models	Christian Schallert		Proceeding of the 11th International Modelica Conference	The 11th International Modelica Conference 2015	Modelica	Versailles (France)	Sep-15	pp.565-575	DOI: 10.3384/ecp15118565	
Clean Sky	SGO	WP2	path set, graph algorithms, modelling of failures,	122	Initial results from a Hybrid Electro-Thermal Electro-Mechanical Simulation Tool (HETEMS)	Colin Hatch, Roger Gent, Richard Moser		SAE 2015 International Conference on Icing of Aircraft, Engines, and Structures	SAE Technical Paper 2015-01-2142	SAE International		Jun-15	pp. 1-7	DOI:10.4271/2015-01-2142	
Clean Sky	SGO	WP2.3.2	failure probability	123	The implications of aerospace requirements on the design-space of a permanent magnet starter/generator	Brink E., Gerber M., De Boer A., Van der Geest M., Zeilstra D.		Proceedings of the 3rd CEAS Specialist Conference on Guidance, Navigation and Control	CEAS 2015 -5th CEAS Air & Space Conference	Open Air	Toulouse (France)	Apr-15	pp. 1-15	uuid:73005fd1-6612-46f4-a511-87b5b93136cf	
Clean Sky	SGO	WP3.2		124	On Trajectory Optimisation for Reducing the Impact of Commercial Aircraft Operations on the Environment	Cesar Celis, Richard Long, Pericles Piliadis, David Zammit-Mangion		Proceedings of the XIX International Symposium on Air Breathing Engines 2009	ISABE 2009 - Vol. 1	proceedings.com	Montreal (Canada)	Sep-09	pp. 149-159	ISBN: 978-1-61567-606-4	
Clean Sky	SGO	WP3.2		125	Bi-objective Pseudospectral Optimal Control techniques for Aircraft Trajectory Optimisation	K. Chircop, D. Zammit-Mangion, R. Sabatini		Proceedings of the 28th Congress of the International Council of the Aeronautical Sciences	ICAS 2012 - Vol. 6	proceedings.com	Brisbane (Australia)	Sep-12		ISBN: 9781622767540	
Clean Sky	SGO	WP3.2		126	City-Pair Trajectory Optimization in the Presence of Winds using the GATAC Framework	Daniel Pisani, David Zammit Mangion, Roberto Sabatini		AIAA Guidance, Navigation, and Control (GNC) Conference	GNC 2013 - AIAA 2013-4970	ARC	Boston (MA)	Aug-13		http://dx.doi.org/10.2514/6.2013-4970	
Clean Sky	SGO			127	Development of a Method to Study Aircraft Trajectory Optimisation in the Presence of Icing Conditions	Ahmed Abdullahi Shinkafi		PhD Thesis	SCHOOL OF ENGINEERING Department of Aerospace Engineering	University of Cranfield	Cranfield (UK)	Nov-15		https://dspace.lib.cranfield.ac.uk/handle/1826/10154	
Clean Sky	SGO	WP3.2		128	Development of a Tool to Study Aircraft Trajectory Optimisation in the Presence of Icing Conditions	Ahmed Abdullahi Shinkafi, Craig Lawson		Proceedings of the Institution of Mechanical Engineers, Part G, Journal of Aerospace Engineering.	Vol. 229, no. 8	SAGE Journal		May-15	pp. 1464-1484	http://journals.sagepub.com/doi/abs/10.1177/0954410014553489	

Clean Sky	SGO		lifetime modeling, MEA, Electrical fault detection, PoF	129	Multistress characterization of insulation aging mechanisms in aerospace electric actuators	D. Barater, G. Buticchi, A. Soldati, Franceschini, Immovilli, Michael Galea, Chris Gerada	Proceedings of the Energy Conversion Congress and Exposition	ECCE 2015	IEEE Xplore	Montreal (Canada)	Sep-15	pp. 2215 - 2222	DOI: 10.1109/ECCE.2015.7309972
Clean Sky	SGO	WP3.2		130	Trajectory Optimization of Airliners to Minimize Environmental Impact	Craig Lawson, Irfan Madani, Ravinka Seresinhe, Devaiah K. Nalianda	SAE 2015 AeroTech Congress & Exhibition	SAE Technical Paper 2015-01-2400	SAE INTERNATIONAL	Seattle (USA)	Sep-15		doi:10.4271/2015-01-2400
Clean Sky	SGO		dynamic mesh, ALE, large eddy simulation, wind turbines	131	New Parallel Method for adjacent disconnected unstructured 3D meshes	J. Muela, D. Martínez, O. Lehmkuhl, C.D. Pérez-Segarra, A. Oliva	International Journal of Computational Fluid Dynamics	Volume 30, 2016 - Issue 6 - Special Issue on the 27th International Conference on Parallel Computational Fluid Dynamics	Taylor&Francis online	Barcelona (Spain)	Jun-16	pp. 388-394	http://dx.doi.org/10.1080/10618562.2016.1205187
Clean Sky	SGO	WP3		132	Jet pump optimization through Reynolds averaged Navier - Stokes analysis	George Bogdan Gherman, Ion Malael, Mihai Mihaescu, Ionut Porumbel	International Journal of Computational Fluid Dynamics	22nd AIAA Computational Fluid Dynamics	ARC	Dallas (Texas)	Jun-16		doi: 10.2514/6.2015-2610
Clean Sky	SGO	WP3		133	Steady-state and unsteady simulations of a high velocity jet into a Venturi shaped pipe	Bernhard Semitsch, Estelle Laurendeau, Mihai Mihăescu	4th Joint US-European Fluids Engineering Division Summer Meeting and 12th International Conference on Nanochannels, Microchannels, and Minichannels	ASME 2014	ASME.org	Chicago (USA)	Aug-14	pp. V01CT16A023; 9 pages	ISBN: 978-0-7918-4623-0
Clean Sky	SGO	SGO		134	Online health monitoring of metallized polymer film capacitors for avionics applications	Maawad Makdessi, Ali Sari, Guillaume Aubard, Pascal Venet, Charles Joubert, Jimmy Duwattez	IEEE 24th International Symposium on Industrial Electronics (ISIE) 2015	International Symposium on industrial electronics (ISIE) 2015	IEEE Xplore	Rio de Janeiro (Brazil)	Jun-15		DOI: 10.1109/ISIE.2015.7281659
Clean Sky	SGO	SGO	Metallized film capacitors; Aging; Failure analysis; Aging law; Remaining useful life	135	Lifetime estimation of high-temperature high-voltage polymer film capacitor based on capacitance loss	A. Saria, P. Veneta, F. Aubardb, R. Chevalierb, T. Préseaub, J. Doytchinova, J. Duwattezb	Proceedings of ESREF 2015	Paper: Elsevier, microelectronics reliability, Volume 55, Issues 9–10	Elsevier	Toulouse (France)	Oct-15	pp. 2012–2016	http://dx.doi.org/10.1016/j.microrel.2015.06.099
Clean Sky	SGO	WP3	Two-dimensional magnetisers, iron losses	136	An Investigation into the Geometric Parameters Affecting Field Uniformity in Four Pole Magnetisers	Bartolo James Borg, Klimczyk Piotr, Tiwisina Kai, Denke Patrick, Siebert Stefan, Gerada Christopher	13th International Workshop on 1&2 Dimensional Magnetic Measurement and Testing (2014)	International Journal of Applied Electromagnetics and Mechanics, vol. 48, no. 2,3, pp. 225-232, 2015	Journal: International Journal of Applied Electromagnetics and Mechanics, vol. 48, no. 2,3, pp. 225-232, 2015	Turin (Italy)	Sep-14	pp. 225-232	DOI: 10.3233/JAE-151992
Clean Sky	SGO			137	Design and Testing of a High-Speed Aerospace Permanent Magnet Starter/Generator	M. van der Geest, H. Polinder, J. A. Ferreira, D. Zellstra	International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles (ESARS)	ESARS 2015 Conference	IEEE Xplore	Aachen (Germany)	March 2015	pp. 1 - 6	DOI: 10.1109/ESARS.2015.7101422
Clean Sky	SGO		Switches, Logic gates, Bridge circuits, Switching circuits, Blanking, Topology	138	Design of a control unit for advanced gate drivers featuring adaptive dead-time and diagnostics	Alessandro Soldati, Davide Barater, Francesco Brugnano, Carlo Concari	41st Annual Conference of the IEEE - Industrial Electronics Society, IECON 2015	IECON 2015 Conference	IEEE Xplore	Yokohama (Japan)	Nov-15	pp. 2485 - 2490	DOI: 10.1109/IECON.2015.7392476
Clean Sky	SGO		Logic gates, Control systems, Voltage control, JFETS, MOSFET, Resistors, Resistance	139	A voltage controlled power resistor circuit for active gate driving of wide-bandgap power devices	Alessandro Soldati, Davide Barater, Carlo Concari, Michael Galea, Chris Gerada	41st Annual Conference of the IEEE - Industrial Electronics Society, IECON 2015	IECON 2015 Conference	IEEE Xplore	Yokohama (Japan)	Nov-15	pp. 2445 – 2450	
Clean Sky	SGO		Logic gates, Switches, Voltage control, Topology, Resistors, Resistance	140	Comparing control topologies for wide-bandgap power-device drivers: A simulation study	Alessandro Soldati, Davide Barater, Carlo Concari, Giovanni Franceschini	41st Annual Conference of the IEEE - Industrial Electronics Society, IECON 2015	IECON 2015 Conference	IEEE Xplore	Yokohama (Japan)	Nov-15	pp. 2469 - 2474	DOI: 10.1109/IECON.2015.7392473
Clean Sky	SGO	WP2	Modelica; organization method; online modeling and simulation	141	Multi Electrical Machine Pre-Design tool with error handling and machine specific advanced graphical design aid features based on Modelica	Tomasz D. Michaski, Antoni Garcia Espinosa, Jordi-Roger Riba Ruiz, Luís Romeral Martínez	Proceedings of the 11th International Modelica Conference	11th International Modelica Conference	Linköping University Electronic Press	Versailles (France)	Sep-15	pp. 501-508	DOI 10.3384/ecp15118501

Clean Sky	SGO	WP1, WP2, WP3	Fiber Bragg gratings ; Vibrometry ; Sensors ; Fiber optics sensors	142	Vibration measurement of electrical machines using integrated fibre Bragg gratings	M. Fabian, Borg Bartolo, M. Ams, C. Gerada, T. Sun, T. V. Grattan	J. SPIE Proceedings Volume 9634	24th International Conference on Optical Fibre Sensors	Spie Digital Library	Curitiba (Brazil)	Sep-15		doi:10.1117/12.2194596	
Clean Sky	SGO	WP2,1 & WP3,2 & WP3,7		143	Model-based system assessment and trajectory optimization on aircraft level	Re Fabrizio, Schlabbe Daniel, Müller Reiko	Proceedings of 5th CEAS Air and Space Conference 2015	CEAS 2015	OpenAir/DLR server	Delft (Netherlands)	Sep-15	pp. 1-13	http://elib.dlr.de/98251/1/CEAS2015_252.pdf	
Clean Sky	SGO	WP 3,3		144	WEMSGEN: A REAL-TIME WEATHER MODELLING LIBRARY FOR ON-BOARD TRAJECTORY OPTIMISATION AND PLANNING	Prats Menéndez Xavier, Vilardaga García-Cascón Santi, Isanta Roger, Bas Isidro, Birling Florent	Proceedings of 34th Digital Avionics Systems Conference	34th Digital Avionics Systems Conference	IEEE.XPLORE	Delft (Netherlands)	Sep-15	pp. 1-24	DOI: 10.1109/DASC.2015.7311607	
Clean Sky	SGO	WP 3,3	Aircraft, Trajectory, Atmospheric modeling, Fuels, Optimization, Meteorology, Aerodynamics	145	EVALUATION OF IN-FLIGHT TRAJECTORY OPTIMISATION WITH TIME CONSTRAINTS IN A MOVING BASE FLIGHT SIMULATOR	Xavier Prats, Frank Bussink, Ronald Verhoeven, Adri Marsman	Proceedings of 34th Digital Avionics Systems Conference	34th Digital Avionics Systems Conference	IEEE.XPLORE	Delft (Netherlands)	Sep-15	pp. 1F3-1 - 1F3-13	DOI: 10.1109/DASC.2015.7311353	
Clean Sky	SGO	WP 2,3,4,2	Decision support systems, Timing, Aircraft, Shafts, Vibrations, Generators, Stress	146	The Importance of Load Pulse Timing in Aircraft Generation	S. Constanza Ahumada, Seamus Garvey, Tao Yang, Patrick Wheeler, Herve Morvan	Proceedings of 18th International Conference on Electrical Machines and Systems	18th International Conference on Electrical Machines and Systems	IEEE.XPLORE	Pattaya City (Thailand)	Oct-15	pp. 1339 - 1345	DOI: 10.1109/ICEMS.2015.7385247	
Clean Sky	SGO	WP 2,3,4,2		147	Experimental Comparison between Direct Matrix Converter and Indirect Matrix Converter Based On Efficiency	Andrew Trentin, Pericle Zanchetta, Lee Empringham, Liliana de Lillo, Pat Wheeler, Jon Clare	Proceedings of Energy Conversion Congress and Exposition (ECCE)	the IEEE Energy Conversion Congress & Expo Conference	IEEE.XPLORE	Montreal (Canada)	Sep-15	pp. 2580 - 2587	DOI: 10.1109/ECCE.2015.7310022	
Clean Sky	SGO	WP 2,3,4,2	Modulation, Silicon carbide, Silicon, Insulated gate bipolar transistors, MOSFET, Matrix converters, Switches	148	Experimental Efficiency Comparison Between a Direct Matrix Converter and an Indirect Matrix Converter Using Both Si IGBTs and SiC mosfets	Andrew Trentin, Lee Empringham, Liliana de Lillo, Pericle Zanchetta, Pat Wheeler, Jon Clare	IEEE Journals & Magazines - IEEE Transactions on Industry Applications	Volume: 52, Issue: 5	IEEE.XPLORE		Sep-16	pp. 4135 - 4145	DOI: 10.1109/TIA.2016.2573752	
Clean Sky	SGO	WP 2,3,4,2	Modulation, Silicon carbide, Matrix converters, Monte Carlo methods, Frequency conversion, MOSFET, Topology	149	Experimental comparison of devices thermal cycling in direct matrix converters (DMC) and Indirect Matrix Converters (IMC) using SiC MOSFETS	Andrew Trentin, Pericle Zanchetta, Lee Empringham, Liliana de Lillo, Pat Wheeler, Jon Clare	proceedings of 2016 IEEE Energy Conversion Congress and Exposition (ECCE)	2016 IEEE Energy Conversion Congress and Exposition (ECCE)	IEEE.XPLORE	Milwaukee (WISCONSIN)	Feb-17	pp. 1-8	DOI: 10.1109/ECCE.2016.7855094	
Clean Sky	SGO	2.3.3	impedance matrix; wiring; lightning; cables (electric); aerospace materials; aircraft; composite materials; multiconductor transmission lines	150	Modelling Common Mode Impedances for Lightning Indirect Effects on Multiconductor Cables into Composite Aircraft Equipped with Current Return Networks	Junqua I., Parmentier J.P., Prost	proceedings of 2015 International Conference on Lightning and Static Electricity	2015 International Conference on Lightning and Static Electricity	ProQuest	Toulouse (france)	Sep-16		DOI: 10.1049/ic.2015.0158	
Clean Sky	SGO	2,3,3	Surface impedance, Impedance, Linear systems, Method of moments, Mathematical model, Acceleration, Grounding	151	Numerical Analysis of Avionic Grounding Structures with Surface PEEC Formulation	Mauro Bandinelli, Alessandro Mori, Giulio Antonini, Daniele Romano, Gian Marco Sammarone	Proceedings of 9th European Conference on Antennas and Propagation (EuCAP)	Eucap 2015	IEEE.XPLORE	Lisbon (portugal)	Apr-15	pp. 1-5	http://ieeexplore.ieee.org/document/7228882/	
Clean Sky	SGO		Support vector machines, Classification algorithms, Meteorological radar, Radar polarimetry, Meteorology, Fuzzy logic	152	Hydrometeor classification for X-band dual polarization radar on-board civil aircrafts	N. Roberto, A. Adrosi, L. Baldini, L. Facheris, F. Cuccoli, A. Lupidi, A. Garzelli	Proceedings of the 2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	IGARSS 2015	IEEE.XPLORE	Milan (Italy)	Jul-15	pp. 2319 - 2322	DOI: 10.1109/IGARSS.2015.7326272	
Clean Sky	SGO		Aircraft, Hazards, Aerospace electronics, Radar, Rain, Sensors	153	Aircraft hazard evaluation for critical weather avoidance	Francesco Sermi, Fabrizio Cuccoli, Clio Mugnai, Luca Facheris	Proceedings of 2nd IEEE International Workshop on Metrology for Aerospace	MetroAeroSpace 2015 IEEE	IEEE.XPLORE	Benevento (Italy)	Jun-15	pp. 454 - 459	DOI: 10.1109/MetroAeroSpace.2015.7180700	
Clean Sky	SGO		Ice, Crystals, Aircraft, Meteorology, Radar, Clouds, Liquids	154	Icing Hazard for Civil Aviation	Piercesare Bernabò, Fabrizio Cuccoli, Luca Baldini	Proceedings of 2nd IEEE International Workshop on Metrology for Aerospace	MetroAeroSpace 2015 IEEE	IEEE.XPLORE	Benevento (Italy)	Jun-15	pp. 295-300	DOI: 10.1109/MetroAeroSpace.2015.7180671	

Clean Sky	SGO	SONEWIP5		155	Unsteady Thermal Simulations of Wing Ice Protection Systems Integrated in Metallic or Composite Structures'	Maxime Henno	SAE 2015 International Conference on Icing of Aircraft, Engines, and Structures	SAE Technical Paper 2015-01-2093	SAE International	Prague (Czech Republic)	Jun-15	pp. 9	DOI:10.4271/2015-01-2093
Clean Sky	SGO	MODELIC APROP	CAPE-OPEN, FluidProp, RefProp, fluid properties, flash calculations	156	MultiComponentMultiPhase – a framework for thermodynamic properties in Modelica	Johan WINDAHL, Katrin PRÖLSS, Maarten BOSMANS, Hubertus TUMMESCHEIT, Eli van ES, Awin SEWGOBIND	Proceedings of the 11th International Modelica Conference	11th International Modelica Conference	www.modelica.org	Versailles (France)	Sep-15	pp. 653-662.	DOI: 10.3384/ecp15118653
Clean Sky	SGO	WP2.1	embedded systems, safety, code generation, formalization, name resolution	157	Towards a Formalized Modelica Subset	Lucas Satabin, Jean-Louis Colaço, Olivier Andrieu, Bruno Pagano	Proceedings of the 11th International Modelica Conference	11th International Modelica Conference	www.modelica.org	Versailles (France)	Sep-15	pp. 637-646	DOI:10.3384/ecp15118637
Clean Sky	SGO	CONCORDE		158	Evaluation of in-flight trajectory optimisation with time constraints in a moving base flight simulator	Xavier Prats, Frank Bussink, Ronald Verhoeven, Adri Marsman	Proceedings of the 34th Digital Avionics Systems Conference	DASC 2015 IEEE/AIAA	IEEE.XPLORE	Delft (Netherlands)	Sep-15		DOI: 10.1109/DASC.2015.7311521
Clean Sky	SGO	WP 2,3,4	Ball screw, aircraft, life rating, wear, fatigue, false brinelling, validation	159	New Rating Life Calculation for Rolling Elements on Aircraft	H. Binz, S. Seemann, M. Christmann, S. Toro	Proceedings of the Exhibition on New Actuators and Drive Systems ACTUATOR conference	Book - article n. 86.4	Xinxii	Bremen (Germany)	Jun-16	pp. 270-273	ISBN 978-3-933339-26-3
Clean Sky	SGO		Power electronics, Aerospace testing, Partial discharges, Coatings, Aircraft power systems	160	Degradation of Conformal Coatings on Printed Circuit Boards Due to Partial Discharge	Christopher Emersic, Robert Lowndes, Ian Cotton, Simon Rowland, Robert Freer	Proceedings of the IEEE Transactions on Dielectrics and Electrical Insulation Journal	Volume: 23, Issue: 4	IEEE.XPLORE		Aug-16	pp. 2232 - 2240	DOI: 10.1109/TDEI.2016.7556499
Clean Sky	SGO		thermal cycling, Conformal coatings, more electric aircraft, finite element analysis, thermal ageing	161	Thermal Stresses of Conformal Coatings on Printed Circuit Boards	R. Lowndes, C. Cotton, Emersic, Rowland, R. Freer	Proceedings of the Electrical Insulation Conference 2015	EIC 2015	IEEE.XPLORE	Seattle (USA)	Jun-15	pp. 106 – 109	DOI: 10.1109/ICACACT.2014.7223585
Clean Sky	SGO		IEC 61934, power frequency, impulse, partial discharge, IEC 60270	162	Comparison of power frequency and impulse based Partial Discharge measurements on a variety of aerospace components at 1000 and 116 mbar	Richard Gardner, Ian Cotton, Mario Kohler	Proceedings of the Electrical Insulation Conference 2015	EIC 2015	IEEE.XPLORE	Seattle (USA)	Jun-15	pp. 430 - 433	DOI: 10.1109/ICACACT.2014.7223588
Clean Sky	SGO		Power Electronics, Aerospace, Partial Discharge, PCB Coating, All-Electric Aircraft	163	Degradation of printed circuit board coatings due to partial discharge Power Control System	Christopher Emersic, Chao Zhang, Ian Cotton, Robert Lowndes, Simon Rowland, Robert Freer	Proceedings of the Electrical Insulation Conference 2015	EIC 2015	IEEE.XPLORE	Seattle (USA)	Jun-15	pp. 420 - 423	DOI: 10.1109/ICACACT.2014.7223586
Clean Sky	SGO	ALIAS		164	Design, manufacturing and demonstration of acoustic liners for air conditioning systems	Estelle Piot, Jean-Philippe Brazier, Frank Simon, Valia Fascio, Christophe Peyret, Johanna Ingenito	Proceedings of the 22nd AIAA/CEAS Aeroacoustics Conference	AIAA 2016-2788	ARC	Lyon (France)	Jun-16	pp. 1-14	http://dx.doi.org/10.2514/6.2016-2788
Clean Sky	SGO	WP 3.3		165	Time and Energy Managed Operations (TEMO)	Ronald Verhoeven, Frank J.L. Bussink, Xavier Prats, Ramon Dalmau	Proceedings of the 27th Society of Flight Test Engineers - European Chapter Symposium	SFTE Conference Presentation: 10-12 May 2016, Nürnberg, Germany	UPCommons	Nürnberg (Germany)	May-16	pp. 1-13	http://hdl.handle.net/2117/102052
Clean Sky	SGO		Modelling and simulation of failures, state space simulation, graph algorithms, minimal path set, safety analysis, failure probability	166	Automated Safety Analysis by Minimal Path Set Detection for Multi-Domain Object-Oriented Models	Christian Schallert	Mathematical and Computer Modelling of Dynamical Systems Journal	Vol. 0, Iss. 0,0	Taylor & Francis		Mar-17	pp. 1-20	http://dx.doi.org/10.1080/13873954.2017.1298624
Clean Sky	SGO	CONCORDE		167	Optimization of the vertical trajectory through Time and Energy management: A Human in-the-Loop Study	Frank Bussink, Ronald Verhoeven, Adri Marsman, Xavier Prats, Bianca Bendris, Josep Montolio, Brent Day	Proceedings of the AIAA Guidance, Navigation, and Control Conference	AIAA Science and Technology Forum and Exposition 2016	ARC	San Diego (California)	Jan-16		doi: 10.2514/6.2016-1626
Clean Sky	SGO	CONCORDE	Electronic Flight Bag (EFB), Continuous Descent Operations (CDO), required time of arrival (RTA)	168	4D continuous descent operations supported by an electronic flight bag: A human-in-the-loop study	Xavier Prats, Bianca Bendris, Ramon Dalmau, Josep Montolio, Brent Day, Helge Lenz, Ralf Kohrs	Proceedings of the IEEE/AIAA 35th Digital Avionics Systems Conference	DASC 2016	IEEE.XPLORE	Sacramento (CA)	Sep-16		DOI: 10.1109/DASC.2016.7778022

Clean Sky	SGO	WP3.2.2		169	Efficient trajectory parameterization for environmental optimization of departure flight paths using a genetic algorithm	S. Hartjes, Visser H.G.	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	Journal of Aerospace Engineering	Sage Journals		May-16		DOI: 10.1177/0954410016648980
Clean Sky	SGO	WP2.3.4		170	Using Opposition Method to Test Aerospace Power Electronics Converters	Rodolphe De Maglie, Roger Birost, Alfred Engler	18th European Conference on Power Electronics and Applications	EPE'16 ECCE Europe	IEEE.XPLORE	Karlsruhe (Germany)	Sep-16	pp. 1-9	DOI: 10.1109/EPE.2016.7695272
Clean Sky	SGO	WP2.3.4		171	Representative PWM waveform generator for measurement of partial discharges in power electronic systems	Benjamin Cella, Rodolphe De Maglie, Alfred Engler	18th European Conference on Power Electronics and Applications	EPE'16 ECCE Europe	IEEE.XPLORE	Karlsruhe (Germany)	Sep-16	pp. 1-9	DOI: 10.1109/EPE.2016.7695273
Clean Sky	SGO	CFP HTCS		172	Two-phase cooling technology integration in aeronautics: opportunities, challenges and characterization	Mikael MOHAUPT, Fatima Oukara, Laurent Barremaecker	Proceedings of the Greener Aviation Conference	Greener Aviation Conference in Brussels - Paper id. 42		Bruxelles (Belgium)	Oct-16	pp. 1-13	
Clean Sky	SGO			173	Design of High-Torque-Density Synchronous Drives for Propulsion of Rotary-Wing Aircraft	Sanabria von Walter, C.D.	PhD Thesis	TU Delft - Institutional Repository	TU Delft - Institutional Repository	Delft (Netherlands)	May-16	pp.1-197	doi:10.4233/uuid:fc614c24-420a-45f2-8d47-78e9dd4c750b
Clean Sky	SGO	WP3.3		174	Time and Energy Managed Operations (TEMO) Citation flight trials	Ronald Verhoeven, Frank J.L. Bussink, Xavier Prats, Ramon Dalmau	Proceedings of the Greener Aviation Conference	Greener Aviation Conference in Brussels - Paper id. 36		Bruxelles (Belgium)	Oct-16	pp. 1-14	
Clean Sky	SGO			175	Time and Energy Management During Approach: A Human-in-the-Loop Study	P. M. A. de Jong, F. J. L. Bussink, R. P. M. Verhoeven, N. de Gelder, M. M. van Paassen, M. Mulder	Journal of Aircraft	Vol. 54, No. 1	AIAA		Jun-16	pp. 177-189.	http://dx.doi.org/10.2514/1.C033741
Clean Sky	SGO			176	Model-based Optimization, Control and Assessment of Electric Aircraft Taxi Systems	Fabrizio Re	PhD Thesis	TU Darmstadt / ULB / Tprints	TU Darmstadt - Institutional Repository	Darmstadt (Germany)	February 2017	pp. 1-189	urn:nbn:de:tuda-tprints-62395