

Program	ITD	Domain	Key words	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	GRA	Low Weight	COMPOSITE REPAIR, LIQUID RESIN INFUSION, CRACK, DELAMINATION, IMPACT DAMAGE	1	Investigation of composite repair method by liquid resin infiltration	M. Hautier, D. L��v��que, C. Huchette, P. Olivier	ICCM 17 Edimburgh Conference	biannual	proceedings.com	Edimburgh (UK)	Jul-09	pp. 1-10	http://www.iccm-central.org/Proceedings/ICCM17/proceedings/Themes/Behaviour/REPAIR/F21.4%20Hautier.pdf	
Clean Sky	GRA	Low Noise	Aerodynamic surfaces, Morphing, Shape control, SMA	2	A Novel SMA-based Concept for Airfoil Structural Morphing	S. Barbarino, R. Pecora, L. Lecce, A. Concilio, S. Ameduri, E. Calvi	JMEPEG (2009) - Journal of Materials Engineering and Performance	periodical	ASM International		Nov-09	pp. 696-705	DOI: 10.1007/s11665-009-9356-3	
Clean Sky	GRA		COMPOSITE REPAIR, LIQUID RESIN INFUSION, CRACK, DELAMINATION, IMPACT DAMAGE	3	Investigation Of Composite Repair Method By Liquid Resin Infiltration	R. Agogu��, M. Hautier, D. L��v��que, O. Hesebeck, C. Huchette	Plastics, Rubber and Composites, Macromolecular Engineering	Volume 39	International Conference on Composite Materials	FhG, SEICO Websites	2010	200-207	http://dx.doi.org/10.1179/174328910X12647080902411	
Clean Sky	GRA	Low Noise	power bleed, de-icing systems,	4	Study about ATR prototype within the European Clean Sky Project with a focused analysis on low power bleed less de-icing systems.	Sartori Carlo	Master thesis		Politecnico di Milano	POLitesi	Dec-10	pp. 1-71		
Clean Sky	GRA	Low Noise	CFD, POD, surrogate modeling, aerodynamic design, surrogate based optimization, meta-modeling.	5	Towards a POD-based Surrogate Model for CFD Optimization	E. Iuliano	Proceedings of the ECCOMAS Thematic Conference - CFD & Optimization	Proceedings	ECCOMAS	Antalya (Turkey)	May-11	pp. 1-20	ISBN: 978-605-61427-4-1	
Clean Sky	GRA	Low Weight		6	Development of fiber and nanoparticle reinforced hybrid composites	G��bor Szeb��nyei	PhD Thesis	2011	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-11	all pages	https://repozitorium.omikk.bme.hu/handle/10890/1103	yes
Clean Sky	GRA	Low Weight	polymer composites, carbon nanotubes, carbon fibres, prepreg	7	Development of carbon nanotube/CFR epoxy matrix prepreg	Zolt��n Cz��r��ki	Batchelor thesis	2011	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-11	all pages	N/A	yes
Clean Sky	GRA	Low Weight	2011	8	Development of nanofiber toughened hybrid composites	��kos Belovay	Bachelor thesis	2011	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-11	all pages	N/A	yes
Clean Sky	GRA	Low Weight	carbon fibre, hybrid composite, prepreg	9	Development of CFR hybrid prepregs for aerospace applications	Nervetti K��roly	Master thesis	2011	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-11	all pages	N/A	YES
Clean Sky	GRA	Low Weight	polymer composites, carbon nanotubes, carbon fibres, interlaminar fatigue	10	The effect of CNT filling on the interlaminar fatigue properties of CFR	Peter Niedermann	Master thesis	2011	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-11	all pages		

Clean Sky	GRA	Low Weight	electrospinning, nanofibres, carbon nanotubes	11	Composite nanofibers and nanofibrous composites prepared by electrospinning	K. Molnár, L. M. Vas	EuroNanoForum Conference	biennial	EuroNanoForum	Budapest (Hungary)	Jun-11	all pages	N/A	
Clean Sky	GRA	Low Noise		12	Airfoil Structural Morphing Based on S.M.A. Actuator Series: Numerical and Experimental Studies	S. Barbarino, R. Pecora, L. Lecce, A. Concilio, S. Ameduri, L. De Rosa	JMSS - Journal of Intelligent Material Systems and Structures	Volume 22	SAGE Journal	-	Aug-11	pp. 987-1004	DOI: 10.1177/1045389X11416032	
Clean Sky	GRA	Low Noise		13	Design and Functional Test of a Morphing High-Lift Device for a Regional Aircraft	R. Pecora, S. Barbarino, A. Concilio, L. Lecce, S. Russo	JMSS - Journal of Intelligent Material Systems and Structures	Volume 22	SAGE Journal	-	Aug-11	pp. 1005-1023	DOI: 10.1177/1045389X11414083	
Clean Sky	GRA	EMA		14	Characterisation of the Extension/Retraction Dynamics of Electrically Powered Landing Gears	Denti E., Di Rito G., Galatolo R., Schettini F.	Proceedings of 3rd CEAS Air & Space Conference - 21st AIDAA Congress. Venezia	biennial	ARPI (Universita' di Pisa)	Venice (Italy)	Oct-11	pp. 1872-1878	ISBN: 9788896427187	
Clean Sky	GRA	Low Noise	Optimization, laminarity, rotor blade, hover	15	A FEASIBILITY STUDY FOR A LAMINAR ROTOR IN HOVER FLIGHT	Donato de Rosa, Luigi Federico, Ainslie D. French, Domenico Quagliarella, Antonio Visingardi	EUROGEN 2011 PROCEEDINGS	Proceedings	C. Poloni, D. Quagliarella, J. Periaux, N. Gauger, K. Giannakoglou	Capua (Italy)	Sep-11	pp. 662-676	ISBN: 9788890632310	
Clean Sky	GRA	Low Noise		16	Systems Architecture Design - A Software Development for the JTI Clean Sky Green Regional Aircraft Program	Alexander Schneegans	11th AIAA Aviation Technology, Integration, and Operations (ATIO) Conference	AIAA 2011-6817	ARC	Virginia Beach (VA)	Sep-11		http://dx.doi.org/10.2514/6.2011-6817	
Clean Sky	GRA	Low Noise		17	Virtual reality based HUD (Head Up Display) to simulate 3D conformal symbols in the design of future cockpits	De Crescenzo F., Bagassi S., Fantini M., Lucchi F.	Proceedings of the 3rd CEAS (Council of the European Aerospace Societies), Air&Space Conference, 21st AIDAA Congress	Atti del congresso	Confine Edizioni	Venezia (Italy)	Oct-11	pp. 1716 - 1721	ISBN: 978-88-96427-18-7	

Clean Sky	GRA	Low Noise	morphing architectures, 3-flap wing, Shape Memory Alloy (SMA) technology	18	Optimization and integration of shape memory alloy (SMA)-based elastic actuators within a morphing flap architecture	Salvatore Ameduri, Angela Brindisi, Barbara Tiseo, Antonio Concilio, Rosario Pecora	Journal of Intelligent Material Systems and Structures	Volume: 23 issue: 4	SAGE Journal		Nov-11	pp. 381-396	DOI: https://doi.org/10.1177/1045389X11428672	
Clean Sky	GRA	Low Noise	Optimization, high-lift device design, CFD	19	OPTIMIZATION OF A KRUEGER DEVICE FOR A REGIONAL	D. de Rosa, G. Andreutti, D. Quagliarella	Proceedings of the European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)	Proceedings	J. Eberhardsteiner et.al.	Vienna (austrian)	Sep-12	pp. 221-231	ISBN: 978-3-9503537-0-9	
Clean Sky	GRA	Low Noise		20	Assessment of High-lift Concepts for a Regional Aircraft in the ALONOCO Project	Peter Eliasson, Olof Grundestam, Shia-Hui Peng, Huadong Yao, Lars Davidsson, Lars-Erik Eriksson	50th AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition, Aerospace Sciences Meetings	AIAA-2012-0277	ARC	Nashville (Tennessee)	Janauary 2012	all pages	http://dx.doi.org/10.2514/6.2012-277	
Clean Sky	GRA	Low Weight	electrospinning, nanofibres	21	Electrospun nanofibrous structures and optimization of the process	Péter Sas	Master thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	2012	all pages	N/A	YES
Clean Sky	GRA	Low Weight	wavelet, fiber bragg gratings, structural health monitoring	22	INTELLIGENT HEALTH MONITORING AND DAMAGE IDENTIFICATION OF A COMPOSITE ANTENNA SUB-REFLECTOR	A. Panopoulou, D. Roulias, T. Loutas, V.Kostopoulos, V.J. Gómez Molinero	Proceedings of the ECCM15-15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS	June 2012	University of Patras	Venice (Italy)	Jun-12		ISBN: 978-888878533-2	YES
Clean Sky	GRA	Low Weight	composites, fire testing, carbon nanotubes, fillers	23	FLAMMABILITY ASSESSMENT FOR NOVEL COMPOSITE MATERIALS FOR USE IN FUTURE AIRCRAFT	E. Milella, P. Vollaro, G.Ortale, G. Giusto, A. Albolino, G. Camino, J.L. Torero	Proceedings of the ECCM15-15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS	Proceedings	UQ eSPACE	Venice (Italy)	Jun-12	pp. 1-6	ISBN: 978-888878533-2	YES
Clean Sky	GRA	Low Weight	Electrospinning, Carbon fiber, Precursor, Continuous yarn	24	Development of continuous electrospun precursors for carbon fiber manufacturing	K. Molnár, L. M. Vas	ECCM15 Conference - 15th European Conference on Composite Materials	Paper ID: 568	Budapest University of Technology and Economics	Venice (Italy)	Jun-12	pp. 1-8	ISBN: 978-888878533-2	YES

Clean Sky	GRA	Low Weight	Nano-materials, Aeronautical composite Structures, Lightning Protection	25	Research activities on nano-materials and electromagnetic protection of composite aeronautical structures	V. Quero, F. Sequeiros, F. Cano, K. Molnár	ECCM15 Conference - 15th European Conference on Composite Materials	Paper ID: 709	Budapest University of Technology and Economics	Venice (Italy)	Jun-12	pp. 1-9	ISBN: 978-888878533-2	YES
Clean Sky	GRA	Low Weight	MWCNT/carbon fiber reinforced composites, dispersion of nanotubes, aerospace prepreg development	26	Development of MWCNT/carbon fiber reinforced composite for aerospace applications	A. Toldy, B. Szolnoki, G. Szebényi	ECCM15 Conference - 15th European Conference on Composite Materials	Paper ID: 848	Budapest University of Technology and Economics	Venice (Italy)	Jun-12	pp. 1-7	ISBN: 978-888878533-2	YES
Clean Sky	GRA	Low Weight	Carbon fibre reinforced epoxy resin composite; Flame retardancy	27	Comparison of additive and reactive phosphorus-based flame retardants in carbon fibre reinforced epoxy resin composites	B. Szolnoki, A. Toldy, P. Konrád, G. Szebényi, Gy Marosi	ECCM15 Conference - 15th European Conference on Composite Materials	Paper ID: 1020	Budapest University of Technology and Economics	Venice (Italy)	Jun-12	pp. 1-5	ISBN: 978-888878533-2	NO
Clean Sky	GRA	Low Weight		28	Development of MWCNT/carbon fiber reinforced epoxy matrix composites for aeronautical applications	G. Szebényi, A. Toldy, K. Molnár	7th International Conference on Modification, Degradation and Stability Conference	2012	MoDeSt Society	Prague (Czech Republic)	2012	all pages	N/A	
Clean Sky	GRA	Low Weight	electrospinning, nanofiber, polymer composite	29	Electrospun Composite Nanofibers and Polymer Composites	A. Toldy, B. Szolnoki, G. Szebényi	book : Synthetic Polymer-Polymer Composites	chapter 10	Carl Hanser Verlag GmbH & Co. KG,	München (Germany)	2012	pp. 301-349	ISBN: 978-1-56990-510-4	YES
Clean Sky	GRA	Low Weight	COMPOSITE REPAIR, LIQUID RESIN INFUSION, CRACK, DELAMINATION, IMPACT DAMAGE	30	Investigation of composite repair method by liquid resin infiltration	R. Agogue, M. Hautier, D. Lévêque, C. Huchette, O. Hesebeck	33rd SAMPE Europe International Technical Conference & Forum 2012	paper 62	proceedings.com		Mar-12	pp. 180-185	ISBN: 978-1-61839-918-2	YES
Clean Sky	GRA	Low Weight	carbon nanotube, carbon nanofibre, hybrid epoxy resin composite	31	Resin, Laminate and Industrial Nanoparticles Concept and Application. Industrialization BME Clean Sky 032 project	Budapest University of Technology and Economics	Scientific Paper	2012	Budapest University of Technology and Economics	Budapest University of Technology and Economics Website	2012	all pages	N/A	YES
Clean Sky	GRA	Low Weight	Electrospinning, nanofibers, carbon nanofibers	32	Carbonization and evaluation of electrospun PAN nanofibers	Katalin Karajz	Master thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	2012	all pages	N/A	YES
Clean Sky	GRA	Low Weight		33	Electrospun nanofibrous structures and optimization of the process	Péter Sas	Master thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-12	all pages	N/A	YES
Clean Sky	GRA	Low Weight	Morphing, high-lift, aeroelasticity, composites, topology optimisation	34	Stiffness and Layout Tailoring of a Morphing High-lift System with Aeroelastic Loads	Thuwis G.A.A.	PhD Thesis	TU Delft Repository	University of Delft	Delft (the Netherlands)	Jun-12	all pages	uuid:3139e68e-d1c4-4dec-8c57-504b0621ad56	
Clean Sky	GRA	Low Weight		35	Carbonization and evaluation of electrospun PAN nanofibers	Katalin Karajz	Master thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	Jun-12	all pages	N/A	YES
Clean Sky	GRA	Low Noise	electrospinning, PAN nanofiber, stabilization, carbonization, composites, flame retardancy	36	Optimization of electrospinning process for PAN nanofiber production	Tamás István Kovács	Batchelor thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	Nov-12	all pages	N/A	
Clean Sky	GRA	Low Weight	nanofiber reinforced composites, carbonization, electrospinning	37	Production and analysis of carbon nanofibers and their composites	Marcell Jankovics	Master thesis	2012	Budapest University of Technology and Economics	Budapest (Hungary)	Dec-12	all pages	N/A	YES

Clean Sky	GRA	Low Noise		38	Design and demonstration of a leading edge actuation system through topology optimisation	A. R. Mauchle, R. De Breuker, G. A. Thuwis, J. C. Simpson	proceedings of the 23rd International Conference on Adaptive Structures and Technologies (ICAST 2012)	SESSION 11: ACTUATORS AND SENSORS I	IEEE Xplore	Nanjing (China)	Oct-12	pp. 418-429	ISBN: 978-1-62993-185-2	
Clean Sky	GRA	Low Weight	polymer composites, needleless electrospinning, carbon fiber, nanofiber, delamination	39	The effect of needleless electrospun nanofibrous interleaves on mechanical properties of carbon fabrics/epoxy laminates	K. Molnár, E. Kostáková, L. Mészáros	eXPRESS Polymer Letters	Vol.8, No.1	Budapest University of Technology and Economics		2013	pp. 62-72	DOI: 10.3144/expresspolymlett.2014.8	YES
Clean Sky	GRA	Low Weight	electrospinning, nanofibres, composites	40	Electrospun nanofibrous structures and their composites	K. Molnár	PhD Thesis	2013	Budapest University of Technology and Economics	Budapest (Hungary)	Feb-13	all pages	N/A	YES
Clean Sky	GRA	Low Weight	additive and reactive flame retardancy; epoxy resin; DOPO; ammonium polyphosphate; cone calorimeter	41	Comparison of additive and reactive phosphorus-based flame retardants in epoxy resins	Beáta Szolnoki, Andrea Toldy, Péter Konrád, Gábor Szebényi, György Marosi	Periodica Polytechnica Chemical Engineering	Vol. 57, No. 1-2	Budapest University of Technology and Economics		2013	pp. 85-91	DOI: 10.3311/PPch.2175	YES
Clean Sky	GRA	Low Weight		42	WENEMOR: Wind Tunnel Tests for the Evaluation of the Installation Effects of Noise Emissions of an Open Rotor Advanced Regional Aircraft	Gareth J. Bennett, John Kennedy, Massimiliano Di Giulio	19th AIAA/CEAS Aeroacoustics Conference, Aeroacoustics Conferences	AIAA 2013-2092	ARC	Berlin (Germany)	May-13	pp. 1-9	http://dx.doi.org/10.2514/6.2013-2092	
Clean Sky	GRA	Low Weight	carbon nanotube, carbon fibre, hybrid composite	43	Analysis of mechanical properties of CNT reinforced hybrid composites	Zoltán Cziráki	Master thesis	2013	Budapest University of Technology and Economics	Budapest (Hungary)	2013	all pages	N/A	
Clean Sky	GRA	Low Weight	carbon fibre, carbon nanofibre, carbon nanotube, hybrid composite	44	Development CF/CNT/carbon nanofiber reinforced hybrid composites	Levente Ferenc Tóth	Batchelor thesis	2013	Budapest University of Technology and Economics	Budapest (Hungary)	2013	all pages	N/A	YES
		Low Weight	COMPOSITE REPAIR, LIQUID RESIN INFUSION, CRACK, DELAMINATION, IMPACT DAMAGE	45	INVESTIGATION OF COMPOSITE REPAIR METHOD BY LIQUID RESIN INFILTRATION	M. Hautier, D. Lévêque, C. Huchette, P. Olivier	Plastics, Rubber and Composites	Volume 39 - Issue 3-5 2010	Taylor & Francis Online		Jul-13	pp. 200-207	http://dx.doi.org/10.1179/174328910X12647080902411	NO
Clean Sky	GRA	Low Weight	carbon fibre, carbon nanofibre, carbon nanotube, hybrid composite	46	Analysis of fatigue properties of CNT/CFR hybrid composites	Imre Turi	Batchelor thesis	2013	Budapest University of Technology and Economics	Budapest (Hungary)	2013	all pages	N/A	NO
Clean Sky	GRA	Low Weight	carbon nanofibre, stabilization, carbonization	47	Thermochemical stabilization and analysis of continuously electrospun nanofibers	K. Molnár, B. Szolnoki, A. Toldy, L. M Vas	Journal of Thermal Analysis and Calorimetry	2014	Springer	Budapest (Hungary)	2014	all pages	DOI: 10.1007/s10973-014-3880-6	
Clean Sky	GRA	Low Noise	Aerodynamic, Design, Navier-Stokes, Optimization, 3D	48	AERODYNAMIC OPTIMIZATION OF A GREEN ATF REGIONAL AIRCRAFT IN CRUISE CONDITION	Diego Giuseppe Romano, Michele Mancini	Proceedings of the 29th Congress of the International Council of the Aeronautical Sciences	Vol. 1	proceedings.com	St. Petersburg (Russia)	Sep-14	pp. 644-653	ISBN: 978-1-63439-411-6	
Clean Sky	GRA	Low Noise	smart structure; morphing; camber variation; wing flap; regional aircraft; FE simulations; experimental tests	49	Validation of a smart structural concept for wing flap camber morphing	Rosario Pecora, Francesco Amoroso, Gianluca Amendola, Antonio Concilio	Smart Structures and Systems - An International Journal	Volume 14 (4)	TECHNO PRESS		Oct-14	pp.659-678	DOI: 10.12989/sss.2014.14.4.659	
Clean Sky	GRA	Low Weight	hybrid composites, carbon nanotubes, carbon nanofibres, conductivity of composites	50	Enhanced conductivity composites for aircraft applications: carbon nanotube inclusion both in epoxy matrix and in carbonized electrospun nanofibers	K. Molnár, G. Szebényi, B. Szolnoki, G. Marosi, L. M. Vas, A. Toldy	Polymers for Advanced Technologies	2014	Wiley	Hoboken (New Jersey, USA)	2014	all pages	DOI: 10.1002/pat.3339	

Clean Sky	GRA	Low Weight		51	Reliability-Oriented Optimization of Replacement Strategies for Monitored Composite Panels for Aircraft Structures	Cottone G., Straub D., Gollwitzer S., Fisher J.	International Workshop on Structural Health Monitoring 2013	Volume 1&2	Fu-Kuo Chang		2013	2728-2735	https://books.google.it/books?id=GRIxIAQAQBAJ&pg=PR33&lpg=PR33&dq=Reliability-++Structural+Health+Monitoring+2013:+A+Roadmap+to+Intelligence++Cottone&source=bl&ots=6YCaBtkrNI&sig=AMQTxSODT6CBVV8sA4sFnF9Ls&hl=it&sa=X&ved=0ahUKEwizqLorPnRAhXsCcAKHdY7CNwQGAIEHTAA#v=onepage&q=Reliability-%20Structural%20Health%20Monitoring%202013%3A%20A%20Roadmap%20to%20Intelligence%20%20Cottone&f=false
Clean Sky	GRA	Low Weight	impact, force reconstruction, structural health monitoring, artificial neural network, composite stiffened panel	52	Identification of impact force for smart composite stiffened panels	M. Ghajari, Z. Sharif-Khodaie, M.H. Aliabadi, A. Apicella	SMART MATERIALS AND STRUCTURES	Volume 22, issue 8	IOP PUBLISHING LTD	London	2013	20	http://dx.doi.org/10.1088/0964-1726/22/8/085014
Clean Sky	GRA	Low Weight	Artificial Neural Network (ANN), Damage Detection, Electromechanical Impedance, Impact Detection, Structural Health Monitoring (SHM), Ultrasonic Guided Waves	53	SMART Platform for Structural Health Monitoring of Sensorised Stiffened Composite Panels	Z. Sharif-Khodaie, M. Ghajari, M.H. Aliabadi, A. Apicella	Key Engineering Materials	Volume 525,526	Scientific.net	London	2012	581-584	10.4028/www.scientific.net/KE M.525-526.581
Clean Sky	GRA	Low Weight	Structural health monitoring; CFRP panels; Fiber-optic Bragg gratings; Buckling; Impact; Optimization	54	Strain and damage monitoring in CFRP fuselage panels using fiber Bragg grating sensors. Part II: Mechanical testing and validation	R. Ruzeka, P. Kudrnaa, M. Kadleca, V. Karachaliosb, K.I. Tserpes	Composite Structures	Volume 107	Elsevier		2014	pp. 737–744	http://dx.doi.org/10.1016/j.comstruct.2013.09.056
Clean Sky	GRA	Low Weight		55	Reliability-Oriented Optimization of Replacement Strategies for Monitored Composite Panels for Aircraft Structures	G. Cottone, D. Straub, S. Gollwitzer, U. Heckenberger	Proceedings of the Ninth International Workshop on Structural Health Monitoring 2013, a Roadmap to Intelligent Structures	Book of Fu-Kuo Chang	DESTech Publications, Inc, 2013	Stanford (USA)	2013	pp. 2728-2735	ISBN: 1605951153
Clean Sky	GRA	Low Weight	Artificial Neural Network (ANN), Damage Detection, Electromechanical Impedance, Impact Detection, Structural Health Monitoring (SHM), Ultrasonic Guided Waves	56	Identification of impact force for smart composite stiffened panels	Z. Sharif-Khodaie, M. Ghajari, M.H. Aliabadi, A. Apicella	Key Engineering Materials - Advances in Fracture and Damage Mechanics XI	Volume 525-526	Scientific.net	London (UK)	2013	pp. 581-584	10.4028/www.scientific.net/KE M.525-526.581
Clean Sky	GRA	Low Weight	Artificial Neural Network (ANN), Composite, Impact, Large Mass, Small Mass, Stiffened Panel	57	Impact Identification in Composite Stiffened Panels	M. Ghajari, Z. Sharif-Khodaie M.H. Aliabadi,	Key Engineering Materials - Advances in Fracture and Damage Mechanics XI	Volume 525-526	Scientific.net	London (UK)	2013	pp. 565-568	10.4028/www.scientific.net/KE M.525-526.565
Clean Sky	GRA	Low Weight		58	SMART Platform for Structural Health Monitoring of Sensorised Stiffened Composite Panels	Khodaie ZS, Ghajari M, Aliabadi MH, Apicella A	Proceedings of the 11th International Conference on Fracture and Damage Mechanics - FDM 2012	Book of Fu-Kuo Chang	Trans Tech Publications Ltd	Xian (China)	Oct-12		ISBN10 3037854634

Clean Sky	GRA	Low Noise		59	A parametric study of installed counter rotating open rotors	John Kennedy, Petr Eret, Gareth Bennett	19th AIAA/CEAS Aeroacoustics Conference, Aeroacoustics Conferences	AIAA 2013-2094	ARC	Berlin (Germany)	May-13	pp. 1-10	http://dx.doi.org/10.2514/6.2013-2094	
Clean Sky	GRA	Low Noise		60	The application of advanced beamforming techniques for the noise characterization of installed counter rotating open rotors	John Kennedy, Petr Eret, Gareth Bennett, Paolo Castellini, Paolo Chiariotti, Francesca Sopranzetti, Christophe Picard, Arthur Finez	19th AIAA/CEAS Aeroacoustics Conference, Aeroacoustics Conferences	AIAA 2013-2093	ARC	Berlin (Germany)	May-13	pp. 1-8	http://dx.doi.org/10.2514/6.2013-2093	
Clean Sky	GRA	EMA		61	A tool for the simulation of All-Electric Aircraft Systems	Denti E., Schettini F., Di Rito G., Galatolo R.	Proceedings of 22th AIDAA Congress.	Proceedings	ARPI (Universita' di Pisa)	Naples (Italy)	Sep-13	pp. 1-12	ISBN: 9788890648427	
Clean Sky	GRA	Low Noise		62	Design of Active Flow Control at a Drooped Spoiler Configuration	Peter Scholz, Saqib Mahmood, M. Casper, Stefan Wallin, Daniel Skoogh, Stephan Adden	31st AIAA Applied Aerodynamics Conference, Fluid Dynamics and Co-located Conferences	AIAA 2013-2518	ARC	San Diego (California)	Jun-13	pp. 1-13	https://doi.org/10.2514/6.2013-2518	
Clean Sky	GRA	Low Weight	Structural health monitoring; CFRP panels; Fiber-optic Bragg gratings; Buckling; Impact; Optimization	63	Strain and damage monitoring in CFRP fuselage panels using fiber Bragg grating sensors. Part I: Design, manufacturing and impact testing	K.I. Tserpesa, V. Karachaliosb, I. Giannopoulosb, V. Prentziash, R. Ruzekc	Composite Structures Journal	Volume 107	Elsevier		Oct-13	pp. 726-736	https://doi.org/10.1016/j.comstruct.2013.09.053	
Clean Sky	GRA	Low Weight	Structural health monitoring; CFRP panels; Fiber-optic Bragg gratings; Buckling; Impact; Optimization	64	Strain and damage monitoring in CFRP fuselage panels using fiber Bragg grating sensors. Part II: Mechanical testing and validation	Ruzek R., Kudrna,P., Kadlec M., Karachalios V., Tserpes K. I.	Composite Structures Journal	Volume 107	Elsevier		Oct-13	pp. 737-743	https://doi.org/10.1016/j.comstruct.2013.09.056	
Clean Sky	GRA	EMA		65	Co-Simulation for Design, Optimization and Analysis of All-Electric Aircraft Systems	Pfeil M., Burger F., Bausch-Gall I., Schettini F., Denti E., Di Rito G., Galatolo R., Gall L., Odefey U., Kotte O., Kübler C., Fäßler V.	Proceedings of AIRTEC 8th International Conference "Supply on the Wings"	Proceedings	ARPI (Universita' di Pisa)	Frankfurt (Germany)	Nov-13	pp. 1-9	ISBN:9783942939102	
Clean Sky	GRA	EMA	PMSM, Real-time modelling, Hardware-in-the-Loop, Synchronous machines	66	Computationally efficient modelling of permanent magnet synchronous motor drives for real-time Hardware-in-the-Loop simulation	Griffo A., Salt D., Wrobel R., Drury D.	Proceedings of the IECON 2013-39th Annual Conference of the IEEE - In Industrial Electronics Society	IEEE	IEEE Xplore	Vienna (austrian)	Nov-13	pp. 5368-5373	doi: 10.1109/IECON.2013.6700009	ISBN: 978-1-4799-0223-1
Clean Sky	GRA	Low Noise	Gust Load Alleviation (GLA), Static Output Feedback (SOF) controller, active systems	67	Active Gust Alleviation for a Regional Aircraft through Static Output Feedback	Federico FONTE	Master Thesis	Politecnico di Milano	POLitesi	Milan (Italy)	Dec-13	pp. 331	https://www.politesi.polimi.it/handle/10589/87362	
Clean Sky	GRA	Low Weight	composite, stiffened panel, sensors, optical fibre, strain gauge	68	Strain Monitoring in Stiffened Composite Panels Using Embedded Fibre Optical and Strain Gauge Sensors	Roman Ruzek, Martin Kadlec, Konstantinos Tserpes, Evangelos Karachalios	7th European Workshop on Structural Health Monitoring		HAL Archives Ouvertes	Nantes (France)	Jul-14	pp. 2-9	https://hal.inria.fr/hal-01022004	
Clean Sky	GRA	EMA		69	ALL-ELECTRIC FLIGHT CONTROL SYSTEM AND LANDING GEAR SYSTEM MODELS FOR POWER ASSESSMENT STUDIES	E. Denti, G. Di Rito, R. Galatolo, F. Schettini	3AF Greener Coneference		proceedings of 3AF conference "Greener Aviation"	Bruxelles	Mar-14	pp. 1-8		

Clean Sky	GRA	Low Weight	composite, stiffened panel, strain gauge	70	Structural Health Monitoring of a composite stiffened panel	A. Apicella, M. H. Aliabadi, Z. Sharif-Khodaei, Ulrike Heckenberger	3AF Greener Conference		proceedings of 3AF conference "Greener Aviation"	Bruxelles	Mar-14	pp. 1-5	
Clean Sky	GRA	Low Weight	composite, stiffened panel, strain gauge	71	Composite Fuselage One Piece Barrel : Integrated Development and Prototype Demonstration	Marta De Pascale	Aerodays 2015	AERODAYS 2015 - Clean Sky Forum	Clean Sky	London	2015		http://www.cleansky.eu/event/aerodays-2015-in-london
Clean Sky	GRA	Low Weight	Energy Harvesting, SHM, WSN, Low Power, Zigbee	72	Design Principles and Challenges for an Autonomous WSN for Structural Health Monitoring in Aircraft	Markos Losada, Andoni Irizar, Pablo del Campo, Pedro Ruiz, Apostólos Leventis	DCIS 2014 Conference - Design of Circuits and Integrated Circuits	DCIS 2014 Conference Proceedings	IEEE Xplore	Madrid	Nov-14		DOI: 10.1109/DCIS.2014.7035595
Clean Sky	GRA	EMA	Petri Nets, Power management, Supervisory control, Load partial shedding, SSPC	73	Intelligent Power Regulation using Innovative Modules for Energy Supervision	B. Guida, A. Cavallo	Proceedings of the International conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles (ESARS)	IEEE	IEEE Xplore	Aachen (Germany)	Mar-15		DOI: 10.1109/ESARS.2015.7101480
Clean Sky	GRA	Low Weight	Compliant mechanism, embedded wires, leading edge morphing, nonlinear auto regressive with exogenous excitation (NARX) model, shape memory alloys	74	An investigation of shape memory alloys as actuating elements in aerospace morphing applications	D. Karagiannis, D. Stamatelos, V. Kappatos, Th. Spathopoulos	Journal - Mechanics of Advanced Materials and Structures	Volume 24, 2017 - issue 8	Taylor & Francis Online		Jul-15	pp. 647-657	http://dx.doi.org/10.1080/15376494.2016.1196772
Clean Sky	GRA	Low Weight	leading edge morphing, shape memory alloys	75	Airfoil's Leading Edge Morphing based on SMA Elements	Dimitrios Karagiannis, Dimitris Stamatelos, Theodore Spathopoulos	6th ECCOMAS Conference	6th ECCOMAS Conference on Smart Structures and Materials		Turin (Italy)	Jun-13		
Clean Sky	GRA	Low Weight	Ultrasonic Testing (UT), embedded sensor, aerospace, optical fiber sensor, Piezoelectric sensors, Experimental Investigation, Aircraft Implementation, Broadband Acousto-Ultrasonic, Fiber Bragg Grating Sensor, Piezoelectric Sensor, Load Monitoring, Structural Health Monitoring, Carbon Fiber Reinforced Plastic	76	Development of Structural Health and Load Monitoring System and its Implementation into an Aircraft Flying Demonstrator	M. Lilov, T. Siebel, C. Contell Asins, O. Schwarzhaupt, V. Carli	8th European Workshop On Structural Health Monitoring	EWSHM 2016 - Aerospace structures: Modeling, Verification & Validation	NDT.net	Bilbao (Spain)	Jul-16	pp. 1-10	http://www.ndt.net/events/EWSHM2016/app/content/Paper/102_Lilov_Rev1.pdf
Clean Sky	GRA	Low Weight		77	CLEAN SKY TECHNOLOGY EVALUATOR – NOISE ASSESSMENT AND EXPERIENCE AT AIRPORT LEVEL	Michel van Eenige	5th CEAS AIR & SPACE Conference	CEAS 2015		Delft (Netherlands)	Sep-15	pp. 1-15	
Clean Sky	GRA	Low Noise	Gear noise reduction, fairings, wheels hub caps, bay and doors acoustic treatments, spoilers	78	Landing Gear Noise Reduction Technology Development for future Green Regional Aircraft	G. Mingione, G. Rapicano, M. A. Averardo, M. Di Giulio, T. Rougier, P. Brandstät, S.-H. Peng, L. Davidson, H. D. Yao, K. Kucukcoskun, M. Mesbah	3AF Greener Conference	Chalmers Publication Library	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-10	http://publications.lib.chalmers.se/publication/202901-landing-gear-noise-reduction-technology-development-for-future-green-regional-aircraft

Clean Sky	GRA	Low Noise	natural laminar flow, active flow control, synthetic jets, highly optimized configuration	79	Advanced Aerodynamic Technologies for Future Green Regional Aircraft	Catalin NAE	The XXXVth "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications	Volume 6, Issue 1	INCAS BULLETIN	Bucarest	2014	pp. 99-110	DOI: 10.13111/2066-8201.2014.6.51	
Clean Sky	GRA	Low Weight		80	Recent Advances on Immersed Boundary Methods at the Italian Aerospace Research Center	F. Capizzano, E. Iuliano	Joint EUROMECH / ERCOFTAC Colloquium 549 - "Immersed Boundary Methods: Current Status and Future Research Directions"	Researchgate	Joint EUROMECH / ERCOFTAC Colloquium 549 - Paper Conference	Leiden (The Netherlands)	Jun-13	pp. 1-4	https://www.researchgate.net/publication/260780529	
Clean Sky	GRA	Low Noise		81	A Boundary Condition for RANS Simulation of Riblets	Benedetto Mele, Renato Tognaccini	9th International ERCOFTAC Symposium on Engineering Turbulence Modelling and Measurements (ETMM9)	ETMM9	HANDLE.net	Salonico (Greece)	Jun-12	pp. ETMM9-N0065-1-ETMM9-N0065-11	http://hdl.handle.net/11588/461621	
Clean Sky	GRA	Low Noise	natural laminar flow, CFD Aerodynamics, High Lift Devices, Civil Aircraft	82	Natural Laminar Flow Transonic Wing Design applied to Future Innovative Green Regional Aircraft	I. Salah el Din, J.-L. Godard, A.-M. Rodde, F. Moens, G. Andreutti, D. de Rosa, M. Di Muzio, R. Gemma, E. Baldassin, N. Calvi, M.A. Avarardo	3AF Greener Conference	Archives ouvert	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-10	https://hal.archives-ouvertes.fr/hal-01082913	
Clean Sky	GRA	EMA		83	Intelligent Load Power Management Applied to Secondary Distributed Electrical Power Modules	Beniamino Guida, Fabrizio Cuomo, Alberto Cavallo	3AF Greener Conference	Clean Sky	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-8	paper present	
Clean Sky	GRA	EMA		84	ALL-ELECTRIC FLIGHT CONTROL SYSTEM AND LANDING GEAR SYSTEM MODELS FOR POWER ASSESSMENT STUDIES	E. Denti, G. Di Rito, R. Galatolo, F. Schettini	3AF Greener Conference	Clean Sky	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-8	paper present	
Clean Sky	GRA	EMA		85	Dynamic Simulation of the Electrical Energy Consumption of Future Regional All-Electric Aircraft	E. Denti, F. Schettini, G. Di Rito, R. Galatolo, F. Cuomo	3AF Greener Conference	Clean Sky	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-8	paper present	
Clean Sky	GRA	Low Noise		86	Future Green Regional A/C Transonic Laminar Wing experimental assessment through innovative WT tests	S. Adden, P. Eliasson, A. Jirasek, Olivier Amoignon, J. Cooper, R. Cheung, C. Servadio, G. Graumann, J. Krier	3AF Greener Conference	Clean Sky	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-9	paper present	
Clean Sky	GRA	EMA	Aircraft drive, SABER modelling, averaged value, electrical machine, converter.	87	Suite of integrated models for electrical aircraft drives (SIMEAD)	Apsley J., Todd R., Drury D., Salt D., Nael Y., Gbadeyan, A.	3AF Greener Conference	Clean Sky	proceedings of 3AF conference "Greener Aviation"	Bruxelles (belgium)	Mar-14	pp. 1-7		
Clean Sky	GRA	Low Noise	Morphing, mechanical actuators	88	A Novel Multi-Body Architecture for Wing Flap Camber Morphing	Rosario Pecora, Francesco Amoroso, Leonardo Lecce	3AF Greener Conference	Handle.net	Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-6	http://hdl.handle.net/11588/582100	

Clean Sky	GRA	Low Noise		89	Smart Droop Nose for application to Laminar Wing of future Green Regional A/C	Weber D., Mueller-Roemer J., Simpson J, Adachi S., Herget W., Landersheim Volker, Laveuve Dominik	3AF Greener Conference	Publica.fraunhofer.de	Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-9	http://publica.fraunhofer.de/documents/N-313340.html	
Clean Sky	GRA	Low Noise		90	Design, Development and Test of Synthetic Jets Actuators for Future Green Regional Aircraft	M. Schueller, M. Lipowski, W. Herget, E.Kaufersch, P. Brandstätt	3AF Greener Conference	Researchgate	Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-7	https://www.researchgate.net/publication/280086799_Design_Development_and_Test_of_Synthetic_Jet_Actuators_for_Future_Green_Regional_Aircraft	
Clean Sky	GRA	Low Noise	Aeroacoustics, high lift devices, Numerical simulations	91	Airframe Noise Reduction Technologies Applied to High-Lift Devices of Future Green Regional Aircraft	M. Barbarino, I. Dimino, A. Carozza, C. Nae , C. Stoica, V. Pricop , S.H. Peng, P. Eliasson, O. Grundestam, L. Tysell, L. Davidsson, L.E. Eriksson, H.D. Yao, S. Ben-Khelil, F. Moens, T. Le Garrec, D.C. Mincu, F. Simon, E. Manoha, S. Adachi, P. Brandstätt, W. Herget, P. Leistner, V. Landersheim, D. Weber , J. Mueller-Roemer	3AF Greener Conference	Archives ouvert	Bruxelles (belgium)	Mar-14	pp. 1-10	https://hal.archives-ouvertes.fr/hal-01082154		
Clean Sky	GRA	Low Noise	wind tunnel; nose landing gear; Scaled Model; testing; simulation and modeling; engineering applications;	92	Wind Tunnel Test and CFD/CAA Analysis on a Scaled Model of a Nose Landing Gear	S. Adachi, P. Brandstätt, W. Herget, P. Leistner, V. Landersheim, D. Weber , J. Mueller-Roemer	3AF Greener Conference	Publica.fraunhofer.de	Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-8	http://publica.fraunhofer.de/dokumente/N-313339.html	
Clean Sky	GRA	Low Noise		93	Load Control and Alleviation Technology for application to future Green Regional Aircraft	Carossa G.M., Baldassin E., Bocchio E., Calvi N. , Capello E., Quagliotii F., M.A. Averardo	3AF Greener Conference		Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-10	Paper present	
Clean Sky	GRA	Low Noise		94	Optimisation of Morphing Wings for Improved Environmental Performance	J. Yang, R.N. Nangia, J.E. Cooper, J.A. Simpson	3AF Greener Conference	Clean Sky	Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-10	Paper present	
Clean Sky	GRA	Low Noise		95	Design of a Chiral Structure Morphing Wing Tip	R. C. M. Cheung, I. Chekkal, C. Wales, J. E. Cooper, N. J. Allen, S. Lawson, A. J. Peace, R. Cook, P. Standen, S. D. Hancock, G.M. Carossa	3AF Greener Conference		Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-8		
Clean Sky	GRA	Low Noise		96	Optimization of Morphing Wings for Improved Environmental Performance	J. Yang, R.N. Nangia, J.E. Cooper, J.A. Simpson	3AF Greener Conference		Proceedings of 3AF/CEAS Conference on Greener Aviation	Bruxelles (belgium)	Mar-14	pp. 1-10		
Clean Sky	GRA	EMA	PWM rectifier, averaged-value modelling, model predictive control, DC-bus power quality	97	PWM Rectifier Control Comparison for Aerospace Applications	R. Todd, K. Liu, Y. Lau	proceedings of the 7th IET International Conference on Power Electronics, Machines and Drives (PEMD)	IEEE	IEEE Xplore	Manchester (UK)	Apr-14	pp 1-6	doi: 10.1049/cp.2014.0427	ISBN: 978-1-84919-815-8

Clean Sky	GRA	Low Noise		98	Numerical Investigation of a Realistic Nose Landing Gear	Jeremy Dahan, Ciaran O'Reilly, Gunilla Efraimsson	Proceedings of the 20th AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2014-2077	ARC	Atlanta (Georgia)	Jun-14	pp. 1-11	https://doi.org/10.2514/6.2014-2077	
Clean Sky	GRA	Low Noise	airframe noise, dynamic mode decomposition, landing gear, fflowcs williams hawkings, acoustic analogy	99	AERO-ACOUSTIC SOURCE ANALYSIS OF LANDING GEAR NOISE VIA DYNAMIC MODE DECOMPOSITION	Jeremy Dahan, Romain Futrzynski, Ciaran O'Reilly, Gunilla Efraimsson	Proceedings of the 21st International Congress on Sound and Vibration, ICSV21	Vol. 2	Malcolm J. Crocker, Marek Pawelczyk, Jing Tian	Beijing (China)	Nov-14	pp. 1245-1252	ISBN: 978-616-551-682-2	
Clean Sky	GRA	Low Noise		100	A Comprehensive Robust Adaptive Controller for Gust Load	Elisa Capello, Giorgio Guglieri, Fulvia Quagliotti	The Scientific World Journal	Volume 2014 (2014), Article ID 609027,	K.-M. Chung, J. Y. Fu, A. F. B. A. Prado		Feb-14	pp. 1-12	http://dx.doi.org/10.1155/2014/609027	
Clean Sky	GRA	Low Noise	Adaptive Controller, Gust Load Alleviation, Flexible Aircraft	101	ADAPTIVE CONTROLLER DESIGN FOR GUST LOAD ALLEVIATION	Elisa Capello, Giorgio Guglieri, Fulvia Quagliotti	29th Congress of the International Council of the Aeronautical Sciences (ICAS 2014)	Volume 4	Proceedings.com	St. Petersburg (Russia)	Sep-14	pp. 3329-3338	ISBN: 978-1-63439-411-6	
Clean Sky	GRA	EMA		102	Electromechanical actuator with anti-jamming system for safety critical aircraft applications	Andrés Jiménez, Eva Novillo, Francisco Aguado, Esteban Morante	Proceedings of the International Conference on Recent Advances in Aerospace Actuation Systems and Components	Volume 1	Maré, Jean-Charles	Toulouse (France)	Apr-14	pp.116-120	ISBN: 978-2-87649-063-5.	http://catalogue.bnf.fr/ark:/12148/cb438146828
Clean Sky	GRA	Low Noise		103	Implementation of a firmware for electrical energy management logics and verification in Labview simulation environment	B. Guida, F. Cuomo	MEA 2015		SEE	Toulouse (France)	Feb-15		NA	
Clean Sky	GRA	EMA		104	Equivalence of generalized state-space averaging with DQ modelling methods in a balanced three-phase system	Bodrov A., Nael Y., Todd R., Apsley J.	Proceedings of the IEEE Energy Conversion Congress and Exposition	art. no. 7310436	IEEE Xplore	Montreal (Canada)	Sep-15	pp. 5519-5524.	DOI: 10.1109/ECCE.2015.7310436	
Clean Sky	GRA	Low Noise	shape memory alloys, smart structures, morphing, flap	105	A SMA-based morphing flap: conceptual and advanced design	Ameduri Salvatore, Concilio Antonio, Pecora Rosario	Smart Structures and Systems - An International Journal	Volume 16 (3)	Techno-press		Sep-15	pp.555-577	DOI: 10.12989/sss.2015.16.3.555	
Clean Sky	GRA	Low Noise		106	Load Control and Alleviation Technology for application to future Green Regional Aircraft	Baldassin E., Capello E., Carossa G.M., Bocchio E., Calvi N.	23rd Conference of the Italian Association of Aeronautics and Astronautics	PORTO - Publications Open Repository Torino	XXIII AIDAA	Turin (Italy)	Nov-15		http://porto.polito.it/id/eprint/2629089	
Clean Sky	GRA	Low Noise		107	Design of a Morphing Wing Tip	Imen Chekkal, Ron Cheung, Christopher Wales, Jonathan E. Cooper, Naomi Allen, Simon Lawson, Andrew J. Peace, Simon Hancock, Robert Cook, Paul Standen, Giovanni M. Carossa	22nd AIAA/ASME/AHS Adaptive Structures Conference	AIAA 2014-1262	AIAA SciTech Forum	Harbor (Maryland)	Jan-14	pp. 1-18	http://dx.doi.org/10.2514/6.2014-1262	
Clean Sky	GRA	Low Noise		108	Optimization Framework for Design of Morphing Wings	Jian Yang, Jonathan E. Cooper, R K. Nangia, John C. Simpson	14th AIAA Aviation Technology, Integration, and Operations Conference, AIAA AVIATION Forum	AIAA 2014-2722	ARC	Atlanta (Georgia)	Jun-14		http://dx.doi.org/10.2514/6.2014-2722	
Clean Sky	GRA	Low Noise		109	A coupling of computational methods for CROR installation effects	Laurent Sanders, Daniel C. Mincu, Williams Denis, Pier Luigi Vitagliano, Mauro Minervino, John Kennedy, Petr Eret, Gareth J. Bennett	20th AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2014-3190	ARC	Atlanta (Georgia)	Jun-14		http://dx.doi.org/10.2514/6.2014-3190	

Clean Sky	GRA	EMA		110	A Tool for the Simulation of All-Electric Aircraft Systems	Denti E., Schettini F., Di Rito G., Galatolo R.	Aerotecnica Missili & Spazio, The Journal of Aerospace Science, Technology and Systems	Vol.93, No.1/2	ARPI (Universita' di Pisa)		May-14	pp. 33-40	ISSN: 0365-7442	
Clean Sky	GRA	Low Noise		111	Simulation of an All-Electric Flight Control System for the Evaluation of Power Consumption	Schettini F., Denti E., Di Rito G., Galatolo R.	proceedings of the ICAS 2014 Conference - International Council of the Aeronautical Sciences	Volume 5 - ICAS2014_0669	proceedings.com	San Pietroburgo (Russia)	Sep-14	pp. 897.1-897.8	ISBN: 978-1-63439-411-6	
Clean Sky	GRA	Low Noise		112	Chiral Morphing Wing Tip Design and Test	Christopher Wales, Ronald Cheung, Jonathan E. Cooper	23rd AIAA/AHS Adaptive Structures Conference, AIAA SciTech Forum	AIAA 2015-1053	ARC	Kissimmee (Florida)	Jan-15	all pages	http://dx.doi.org/10.2514/6.2015-1053	
Clean Sky	GRA	Low Noise		113	Morphing Wing Design for Fixed Wing Aircraft	Jian Yang, Pia Sartor, Jonathan E. Cooper, R K. Nangia	56th AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, AIAA SciTech Forum	AIAA 2015-0441	ARC	Kissimmee (Florida)	Jan-15		http://dx.doi.org/10.2514/6.2015-0441	
Clean Sky	GRA	Low Noise		114	Assessment of Conceptual Noise Reduction Devices for A Main Landing Gear using SNGR Method	Huadong Yao, Lars Davidson, Shia-Hui Peng, Francesco Capizzano, Mattia Barbarino, Giuseppe Mingione	21st AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2015-2692	ARC	Dallas (Texas)	Jun-15	pp. 1-14	http://dx.doi.org/10.2514/6.2015-2692	
Clean Sky	GRA	Low Noise		115	Assessment of Flap Side-Edge Fence Noise using SNGR Method	Huadong Yao, Lars Davidson, Shia-Hui Peng, Lars-Erik Eriksson, Francesco Capizzano, Mattia Barbarino, Giuseppe Mingione	21st AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2015-2224	ARC	Dallas (Texas)	Jun-15	pp. 1-14	http://dx.doi.org/10.2514/6.2015-2224	
Clean Sky	GRA	Low Noise		116	Aeroacoustic Source Separation on a Full Scale Nose Landing Gear Featuring Combinations of Low Noise Technologies	Eleonora Neri, John Kennedy, Gareth J. Bennett	ASME 2015 Noise Control and Acoustics Division Conference	Paper No. NCAD2015-5912	ASME DIGITAL Collection	San Francisco (California)	Aug-15	p. 11	doi:10.1115/NCAD2015-5912	
Clean Sky	GRA	Low Noise		117	Characterization of Low Noise Technologies Applied to a Full Scale Fuselage Mounted Nose Landing Gear	Eleonora Neri, John Kennedy, Gareth J. Bennett	ASME 2015 Noise Control and Acoustics Division Conference	Paper No. NCAD2015-5911	ASME DIGITAL Collection	San Francisco (California)	Aug-15	p. 10	doi:10.1115/NCAD2015-5911	
Clean Sky	GRA	Low Noise		118	Design of a Morphing Wingtip	J. E. Cooper, I. Chekkal, R. C. M. Cheung, C. Wales, N. J. Allen, S. Lawson, A. J. Peace, R. Cook, P. Standen, S. D. Hancock, G. M. Carossa.	Journal of Aircraft	Vol. 52, No. 5	ARC	Bedford (UK)	Sep-15	pp. 1394-1403	http://dx.doi.org/10.2514/1.C032861	
Clean Sky	GRA	Low Noise		119	Assessment of Flap Side-Edge Fence Noise using SNGR Method	Huadong Yao, Lars Davidson, Shia-Hui Peng, Lars-Erik Eriksson, Mattia Barbarino, Francesco Capizzano, Giuseppe Mingione	21st AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2015-2224	ARC	Dallas (Texas)	Jun-15	pp. 1-13	http://dx.doi.org/10.2514/6.2015-2224	
Clean Sky	GRA	Low Noise		120	Assessment of Conceptual Noise Reduction Devices for A Main Landing Gear using SNGR Method	Huadong Yao, Lars Davidson, Shia-Hui Peng, Francesco Capizzano, Mattia Barbarino, Giuseppe Mingione	21st AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2015-2692	ARC	Dallas (Texas)	Jun-15	pp. 1-14	http://dx.doi.org/10.2514/6.2015-2692	

Clean Sky	GRA	Low Noise		121	Results of the ASAM research project regarding the design of composite flaps for high lift and LC&A devices	Marco Barile; Leonardo Lecce; Yves Lemmens; Nikolaos Koklas	Siemens PLM Software European Aerospace Engineering Conference	Conference Proceedings	unina	Toulouse (France)	Mar-15		https://www.docenti.unina.it/vi_sualizzaPublicazione.do?idDocente=4c454f4e4152444f4c454343454c43434c524434374331344538383257&nomeDocente=LEONARDO&cognomeDocente=LECCE&id=209883		
Clean Sky	GRA	Low Noise		122	Coupling a Wall Diffusion Model with an Immersed Boundary Technique	F. Capizzano	AIAA Journal	Vol. 54, No 2	ARC		Nov-15	pp. 728-734	http://dx.doi.org/10.2514/1.J054197		
Clean Sky	GRA	Low Noise		123	Aeroservoelastic Response of Nonlinear Wind Tunnel Model to Non-Uniform Gust Field	Rami Veiberman, Martin Weiss, Moti Karpel, Federico Fonte, Lorenzo Travaglini, Sergio Ricci	57th AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, AIAA SciTech Forum	AIAA 2016-1486	ARC	San Diego (California)	Jan-16	all pages	http://dx.doi.org/10.2514/6.2016-1486		
Clean Sky	GRA	EMA		124	Electro Mechanical Actuators for Aircraft eRudder and Landing Gear Including Innovative Anti-jamming Solution	Andrés Jiménez, Eva Novillo, Francisco Aguado, Joseba Lasa, Iñigo Eguizabal, Iraide Lopez	Recent Advances in Aerospace Actuation Systems and Components (R3ASC16) conference		R3ASC16	Toulouse (France)	Mar-16	all pages	https://r3asc16.sciencesconf.org/resource/page/id/15		
Clean Sky	GRA	Low Noise		125	Toward the bi-modal camber morphing of large aircraft wing flaps: the CleanSky experience	R. Pecora, F. Amoroso, M. Magnifico	Proc. SPIE 9801, Industrial and Commercial Applications of Smart Structures Technologies 2016, 980106	Volume 9801	SPIEE Proceedings	Las Vegas (Nevada)	Mar-16	pp. 1-12	DOI: 10.1117/12.2218415		
Clean Sky	GRA	Low Noise		126	Experimental observations of an installed-on-pylon contra-rotating open rotor with equal blade number in pusher and tractor configuration	Petr Eret, John Kennedy, Francesco Amoroso, Paolo Castellini, Gareth J Bennett	International Journal of Aeroacoustics	Vol. 15 issue: 1-2				May-16	pp. 228-249	https://doi.org/10.1177/1475472X16642063	
Clean Sky	GRA	Low Noise		127	The Reduction of Main Landing Gear Noise	John Kennedy, Eleonora Neri, Gareth J. Bennett	Proceedings of the 22nd AIAA/CEAS Aeroacoustics Conference, Aeroacoustics Conferences,	AIAA 2016-2900	ARC	Lyon (France)	Jun-16	pp. 1-21	https://doi.org/10.2514/6.2016-2900		
Clean Sky	GRA	Low Noise	Finite element analysis, Ribs, Aircraft, Actuators, Joining processes, Solid modeling, Fasteners	128	Preliminary failure analysis of an innovative morphing flap tailored for large civil aircraft applications	Francesco Rea, Maurizio Arena, Maria Chiara Noviello, Rosario Pecora, Francesco Amoroso	Proceedings of the 7th International Conference on Mechanical and Aerospace Engineering (ICMAE)	IEEE proceedings	IEEE Xplore	London (UK)	Jul-16		DOI: 10.1109/ICMAE.2016.7549598		
Clean Sky	GRA	EMA		129	Health and Usage Monitoring System (HUMS) Strategy to enhance the Maintainability & Flight Safety in a Flight Control Electromechanical Actuator (EMA")	Ricardo de Arriba, Alberto Gallego	Proceedings of the Third European Conference of the Prognostics and Health Management Society	phmec_16_074.pdf	PHM Society	Bilbao (Spain)	Jul-16	pp. 313-321	ISBN: 978-1-936263-21-9	https://www.phmsociety.org/sites/phmsociety.org/files/phm_submission/2016/phmec_16_074.pdf	
Clean Sky	GRA	Low Noise	morphing wing structure, aerodynamic design, performance improvement, HALE aircraft.	130	EFFECTS ON FLIGHT PERFORMANCE OF A MORPHING TRAILING EDGE WING FOR HALE AIRCRAFT	Pierluigi Della Vecchia, Salvatore Corcione, Fabrizio Nicolosi, Rosario Pecora, Ignazio Dimino, Antonio Concilio	proceedings of 3AF conference "Greener Aviation"	ID : 34	3AF conference "Greener Aviation"	Bruxelles (Belgium)	Oct-16	pp. 1-12			
Clean Sky	GRA	Low Noise	shape memory alloys, smart structures, morphing, flap	131	A single slotted morphing flap based on SMA technology	Salvatore Ameduri, Antonio Concilio, Rosario Pecora, Dimitrios Karagiannis	Smart Structures and Systems - AN International Journal	Volume 17 (5)	techno-press	London (UK)	Aug-16	pp. . 819 - 835	DOI: 10.12989/sss.2015.17.5.819		

Clean Sky	GRA	Low Noise	wind tunnel test, scaled model, droopnose, leading edge, low noise, high-lift devices, Reynolds number effect, lift and drag, acoustic beam forming, modal analysis, far-field sound pressure	132	Wind tunnel test of a 1:6-scaled half wing model with a full-span droop-nose leading edge	S. Adachi, K. Bay, P. Brandstätt, W. Herget, J. C. Simpson	proceedings of 3AF conference "Greener Aviation"	ID : 216	3AF conference "Greener Aviation"	Bruxelles (belgium)	Oct-16	pp. 1-9		
Clean Sky	GRA	Low Noise	aeroelasticity, fluid-structure coupling simulations, gust load alleviation, load control.	133	Green Regional Aircraft Gust Response	Dequand S., Liauzun C.	proceedings of 3AF conference "Greener Aviation"	ID : 152	3AF conference "Greener Aviation"	Bruxelles (belgium)	Oct-16	pp. 1-10		
Clean Sky	GRA	Low Noise	Landing gear, cavity, ZDES, noise emission	134	ZDES Simulation of the noise emission of a regional aircraft main landing gear bay with opened or closed doors	S. Ben Kheil, Ph. Bardoux, J.-L. Godard, T. Le Garrec	proceedings of 3AF conference "Greener Aviation"	ID : 40	3AF conference "Greener Aviation"	Bruxelles (belgium)	Oct-16	pp. 1-10		
Clean Sky	GRA	Low Weight	composites, LRI, stiffened panels	135	Liquid Resin Infusion technology for the manufacturing of outer wing box stiffened panels	F. Romano, R. Zazza, M. D'Ortona, S. D'Onofrio, A. Vicente	proceedings of 3AF conference "Greener Aviation"	ID : 209	3AF conference "Greener Aviation"	Bruxelles (belgium)	Oct-16	pp. 1-20		
Clean Sky	GRA	Low Noise	Gust Load Alleviation (GLA), GLA Ground Demonstration, Fly-By-Wire Flight Control System (FBW FCS), Green Regional A/C (GRA), Technology Readiness Level (TRL).	136	Green Regional A/C ITD Low Noise Configuration Domain: Gust Load Alleviation Ground Demonstration	Alessandro Durando, Luigi Arcaro, Nicodemo Chimenti	proceedings of 3AF conference "Greener Aviation"	ID : 132	3AF conference "Greener Aviation"	Bruxelles (belgium)	Oct-16	pp. 1-11		
Clean Sky	GRA	Low Noise		137	Design and Wind Tunnel Test Validation of Gust Load Alleviation Systems	S. Ricci, A.De Gaspari, F.Fonte, L.Riccobene, F.Toffol, P.Mantegazza, M.Karpel, F.Roizner, R.Wiberman, M.Weiss, J.E.Cooper, C.Howcroft, D.Calderon, S.Adden	58th AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, AIAA SciTech Forum	AIAA 2017-1818	ARC	Grapevine (Texas)	Jan-17	all pages	http://dx.doi.org/10.2514/6.2017-1818	
Clean Sky	GRA	Low Noise		138	Resonant mode characterisation of a cylindrical Helmholtz cavity excited by a shear layer	Gareth J. Bennett, David B. Stephens, Francisco Rodriguez Verdugo	The Journal of the Acoustical Society of America	Vol. 141, issue 1	Acoustical Society of America		Jan-17	pp. 7-18	http://dx.doi.org/10.1121/1.4973212	
Clean Sky	GRA	Low Noise		139	Experimental and numerical study of wheel bay cavity noise for full scale nose landing gear	Eleonora Neri, John Kennedy, Gareth J. Bennett	23rd AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2017-3007	ARC	Denver (Colorado)	Jan-17	pp. 1-27	https://doi.org/10.2514/6.2017-3007	
Clean Sky	GRA	EMA		140	Development of a simulation platform of All-Electric Aircraft onboard systems for energy management studies	Schettini F., Denti E., Di Rito G.	The Aeronautical Journal	Volume 121, Issue 1239	Cambridge University Press	Cambridge (england)	May-17	pp. 710-719	https://doi.org/10.1017/aer.2017.16	
Clean Sky	GRA	Low Noise		141	Identification of noise sources on a realistic landing gear using numerical phased array methods applied to computational data	Hamza Bouchouireb, Nicolas J. Pignier, Jeremy A. Dahan, Ciarán J. O'Reilly, Susann Boij	23rd AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2017-3019	ARC	Denver (Colorado)	Jun-17	pp. 1-25	https://doi.org/10.2514/6.2017-3019	

Clean Sky	GRA	Low Noise		142	Investigation of the Noise Emission of a Regional Aircraft Main Landing Gear Bay	Saloua Ben Khelil, Philippe Bardoux, Jean-Luc Godard, Thomas Le Garrec, John Kennedy, Gareth J. Bennett	23rd AIAA/CEAS Aeroacoustics Conference, AIAA AVIATION Forum	AIAA 2017-3012	ARC	Denver (Colorado)	Jun-17	all pages	doi: 10.2514/6.2017-3012	
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