




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	SFWA	WP 1	contra-rotating open-rotor, cfd, caa, fem	1	Numerical tools for contra rotating Open-rotor performance, noise and vibration Assessment;	Laban, M., Kok, J.C., Prananta, B.B.	27th International Congress of the Aeronautical Sciences (ICAS2010)	2010	ICAS	Nice (France)	Sep-10	19-24	http://www.icas.org/ICAS_ARCHIVE/ICAS2010/ABSTRACTS/127.HTM	yes
Clean Sky	SFWA	WP 1	Distributed FeedBack (DFB) Fiber Laser, optical fiber sensor, boundary layer wall shear stress, boundary layer	2	Experimental study for the detection of the "laminar/turbulent" aerodynamic transition on a wing aircraft, using fiber optic sensors,	Molin, S., Dolfi, D., Doisy, M., Seraudie, A., Arnal, D., Coustols, E., Mandle J.	Fourth European Workshop on Optical Fibre Sensors	Volume 7653, SPIE Proceedings	SPIE Digital Library	Porto (Portugal)	Sep-10	4	10.1117/12.866019	
Clean Sky	SFWA	WP 2	CFD, open-rotor, aeroacoustics	3	Highly-efficient hybrid CFD/FW-H approach for open-rotor tonal computation;	Weckmüller, C., Guerin, S.	14th CEAS-ASC Workshop & 5th Scientific Workshop of X3-Noise: Aeroacoustics of high-speed aircraft propellers and open rotors	Proceedings 14th CEAS-ASC Workshop and 5th Scientific Workshop of X3-Noise. 14th	Council of European Aerospace Societies	Warsaw (Poland)	Oct-10		http://ilot.edu.pl/en/category/conferences-archival/page/6/	
Clean Sky	SFWA	WP 1	riblets, drag reduction	4	Investigation of the Wear Properties of a Riblet Paint Structure on an Airbus A300-600ST Beluga	Hage W., Stenzel V., Vynnyk, T.	New results in numerical and experimental fluid mechanics VIII : Contributions to the 17th STAB/DGLR Symposium	Volume 121. Notes on Numerical Fluid Mechanics and Multidisciplinary	Springer Berlin Heidelberg		2013	185-192	10.1007/978-3-642-35680-3_23	
Clean Sky	SFWA	WP 1	Aeroelasticity, gust, Chimera technique, flexibility, forced motion, dynamic coupling, Navier Stokes, flap efficiency	5	Transonic response to a gust	S. Dequand, C. Liauzun, P. Girodroux-Lavigne, A. Lepage	International Forum on Aeroelasticity and Structural Dynamics,	Paper IFASD-2011-112		Paris (France)	2011	pp: 1-19		
Clean Sky	SFWA	WP 1	Atmospheric modeling, Reduced order systems, Numerical models, Mathematical model, Interpolation, Aircraft	6	Flexible Aircraft Reduced-Order LPV Model Generation from a Set of Large-Scale LTI Models	C. Poussoot-Vassal, C. Roos,	American Control Conference (ACC), 2011	Proceedings of the 2011 American Control Conference	IEEE XPLORE	San Francisco (USA)	Jul-11	pp: 1-6	DOI: 10.1109/ACC.2011.5991178	
Clean Sky	SFWA	WP 1	control, Model reduction, SVD, Tangential interpolation, Flexible aircraft	7	An Iterative SVD-Tangential Interpolation Method for Medium-Scale MIMO Systems Approximation with Application on Flexible Aircraft	C. Poussoot-Vassal,	50th IEEE Conference on Decision and Control European Control Conference,	Proceedings	IEEE	Orlando (florida)	2011		10.1109/CDC.2011.6160331	

Clean Sky	SFWA	WP 1	boundary layer, laminar-turbulent transition, non-linear stability theory, cross-flow instability, transition control, roughness elements	8	Transition control by micron-sized roughness elements: stability analyses and wind tunnel experiments	O. Vermeersch, D. Arnal, Itham Salah El Din	International Journal of Engineering Systems Modelling and Simulation	Volume 5, Issue 1-3	Inderscience online		2011	84-98	http://dx.doi.org/10.1504/IJESMS.2013.052381	
Clean Sky	SFWA	WP 3	Single Particle Lidar, wing wake survey, Doppler lidar measurements,	9	Preliminary Study of Single Particle Lidar for Wing Wake Survey	M. Valla, B. Augere, D. Bailly, A. Dolfi-Bouteyre, E. Garnier, M. Meheut	16th Biennial Coherent Laser Radar Technology and Applications Conference	16th Biennial Coherent Laser Radar Technology and Applications Conference (CLRC)	proceedings.com	Long Beach (CA)	2011	pp: 171-174	http://sti.usra.edu/clrc2011/presentations/Session%209/Summary%20Matthieu%20VALLA.pdf	
Clean Sky	SFWA		Conical Flow, Laminar swept wing, Laminar wing design, laminat boundary layer	10	Implications of Conical Flow for Laminar Wing Design and Analysis	Thomas Streit, Georg Wichmann, Fedime von Knoblauch zu Hatzbach, Richard L. Campbell	29th AIAA Applied Aerodynamics Conference	2011	AIAA	Honolulu (Hawaii)	2011	pp:1-19	https://doi.org/10.2514/6.2011-3808	
Clean Sky	SFWA			11	A New Control Mode for Axisymmetric Vibrating Gyroscopes Greatly Improving Performance	V Ragot, G Remillieux	Gyroscopy and Navigation	2011	Springer		2011		https://doi.org/10.1134/S2075108711040134	
Clean Sky	SFWA	WP 1	Model reduction; LPV/LFR modeling; Sparse approximation; Aeroelastic aircraft models	12	Generation of a reduced-order LPV/LFT model from a set of large-scale MIMO LTI flexible aircraft models	Poussot-Vassal, C. Roos	Control Engineering Practice journal	Volume 20, Issue 9	ELSEVIER		2012	919-930	http://dx.doi.org/10.1016/j.conengprac.2012.06.001	
Clean Sky	SFWA	WP 1	large-scale linear dynamical systems, Matlab toolbox, model reduction	13	Introduction to MORE: a Model REduction Toolbox	C. Poussot-Vassal, P. Vuillemin	IEEE Xplore		IEEE		2013		10.1109/CCA.2012.6402441	
Clean Sky	SFWA	WP 1	Robustness, Trajectory, Linear systems, Closed loop systems, Nonlinear dynamical systems, Transfer functions	14	A new saturation function to convert an output constraint into an input constraint	L. Burlion	IEEE Xplore	Control & Automation (MED)	IEEE		2012		10.1109/MED.2012.6265805	
Clean Sky	SFWA	WP 1	Optical fiber pressure sensors, boundary layer transition detection, skin friction drag	15	Experimental study of an optical fibre-based pressure sensor for boundary layer transition detection	Maxime Forte, Alain Seraudie, Daniel Arnal, Stephanie Molin, Olivier Vaudel, Pascale Nouchi	AIAA Conference	AIAA 2012- 2755	AIAA	New Orleans (Louisiana)	2012		http://dx.doi.org/10.2514/6.2012-2755	
Clean Sky	SFWA	WP 2	Pylon-Propeller configuration, noise reduction, pylon-propeller noise interaction, blowing	16	Blowing Strategies of Pylon-Propeller configuration for Noise Reduction using Numerical Approach	N. Ben Nasr, B. Rodriguez, A. Chelius, S. Canard-Caruana	AIAA Conference	AIAA 2012- 2658	AIAA	New Orleans (Louisiana)	2012		http://dx.doi.org/10.2514/6.2012-2658	
Clean Sky	SFWA	WP 1	active flow control, pulsed blowing, high-lift, unsteady, URANS	17	A CFD benchmark for flow separation control application	H. Bieler, V. Ciobaca, J. Dandois	ECCOMAS 2012	proceedings e-book	J. Eberhardsteiner et.al	Vienna (Austria)	2012	7992-8008	http://eccomas.cimne.com/cvdata/cntr1/spc7/dtos/img/mdia/ECCOMAS-2012-e-book.pdf	
Clean Sky	SFWA	WP 1	Active flow control, drooped spoiler, vortex generator jets	18	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	Deutscher Luft- und Raumfahrtkongress	AIAA	San Diego (USA)	2013		10.2514/6.2013-2518	
Clean Sky	SFWA	WP 1	Active flow cntrol, fluidic actuators, mechanical actuators, vortex generator	19	Overview of Onera Actuators for Active Flow Control	F. Ternoy, J. Dandois, F. David, M. Pruvost	Aerospace Lab Journal	volume 6, n. 3	Aerospace Lab		2013		http://www.aerospace-lab-journal.org/sites/www.aerospace-lab-journal.org/files/AL06-03.pdf	

Clean Sky	SFWA		Laminar wing design, tapered wing, laminar flow airfoil, transition prediction	20	Wing Design Based on a Tapered Wing Natural Laminar Flow Airfoil Catalogue	Judith Frfr. von Geyr, Fedime Knoblauch z. von Hatzbach , Arne Seitz, Thomas Streit, Georg Wichmann	New Results in Numerical and Experimental Fluid Mechanics IX	Volume 124 of the series Notes on Numerical Fluid Mechanics and Multidisciplinary Design	Springer International Publishing		2014	183-191	10.1007/978-3-319-03158-3_19	
Clean Sky	SFWA		Flow Control, numerical desig, swept wing	21	Numerical Design of Leading Edge Flow Control over Swept High-Lift Airfoil	Saqib Mahmood, Peter Scholz, Rolf Radespiel	The Journal of Aerospace Science, Technology and Systems	Volume 92, issues 1-2	Aerotechnica Missili & Spazio,		2012		http://dx.doi.org/10.19249/ams.v92i1-2.87	
Clean Sky	SFWA	WP 1	Composite forward swept wing, aeroelastic optimization methods	22	Design of a composite forward swept wing using advanced aeroelastic tailoring optimisation methods	Werter N., De Breuker R.	Proceedings of RAeS 3rd Aircraft Structural Design Conference	Volume 1	A Morris & Z Gurdal (Eds.); Royal Aeronautical Society	Delft (netherlands)	2012	01-Dec	ISBN: 978-1-62993-115-9	
Clean Sky	SFWA	WP 1		23	Stiffness Optimization of Composite Wings with Aeroelastic Constraints	J. K. S. Dillinger, T. Klimmek, M. M. Abdalla, Z. Gürdal	Journal of Aircraft	Volume 50, n. 4	American Institute of Aeronautics and Astronautics		Jul-05	1159-1168	http://dx.doi.org/10.2514/1.C032084	
Clean Sky	SFWA	WP 1	aerodynamic instability, buffet phenomenon, Flow control, closed-loop control	24	Buffet Characterization and Control for Turbulent Wings	J. Dandois, P. Molton, A. Lepage, A. Geeraert, V. Brunet, J.-B. Dor, E. Coustols	Aerospace Lab Journal	volume 6, n. 1	Aerospace Lab		2013		http://www.aerospacelab-journal.org/sites/www.aerospacelab-journal.org/files/AL06-01.pdf	
Clean Sky	SFWA	WP 1		25	HIGH FIDELITY NUMERICAL SIMULATIONS FOR GUST RESPONSE ANALYSIS	F. Huvelin, P. Girodroux-Lavigne, C. Blondeau	Proceedings of the IFASD 2013 Conference	Volume 1 of 3	proceedings.com	Bristol (UK)	Jun-13	pp. 1184-1197	ISBN: 978-1-63439-102-3	
Clean Sky	SFWA	WP 1	control-oriented aeroelastic BizJet low-order LFT modelling, control synthesis purpose, BizJet aeroelastic control-design problemcontrol techniques	26	Control-oriented aeroelastic BizJet low-order LFT modeling	Charles Poussot-Vassal, Clement Roos , Pierre Vuillemin , Olivier Cantinaud, Jean-Patrick Lacoste	Book: Control-oriented Modelling and Identification: Theory and practice	chapter 11	IET Digital Library		2015		10.1049/PBCE080E_ch11	
Clean Sky	SFWA	WP 1	Computational Fluid Dynamics Simulations, CROR, Chimera approach	27	Assessment of Advanced Grid Strategies for Aero-Acoustics on Open Rotor Applications	Nabil Ben Nasr, Biel Ortun, Alain Chelius, Sylvette Canard-Caruana	49th AIAA/ASME/SAE/ASEE Joint Propulsion Conference	AIAA 2013-3800	AIAA		2013		http://dx.doi.org/10.2514/6.2013-3800	
Clean Sky	SFWA	WP 1	Aircraft modelling: Model approximation; Vibration control; Structured H ∞ control	28	Business Jet Large-Scale Model Approximation and Vibration Control	C. Poussot-Vassal, T. Loquen, P. Vuillemin, O. Cantinaud, J-P. Lacoste	IFAC Proceedings Volumes	Volume 46, Issue 11	ELSEVIER		2013	199-204	http://dx.doi.org/10.3182/20130703-3-FR-4038.00058	
Clean Sky	SFWA	WP 1		29	Z08: low-speed aero-acoustic experimental characterization of open rotor installation on aircraft	Cedric Paquet, Emmanuel Julliard, Julien Ricouard, Pierre Spiegel	proceedings of the 20th AIAA/CEAS Aeroacoustics Conference	AIAA 2014-2747	ARC	Atlanta(USA)	Jun-14	pp: 1-11	http://dx.doi.org/10.2514/6.2014-2747	

Clean Sky	SFWA	WP 1	TRANSONIC BUFFET SEPARATION, CONTROL VORTEX GENERATOR, FLUIDIC CONTROL	30	Transonic Buffet Control on 3D Turbulent Wings using Fluidic Devices. Part 1: Open loop study	J. Dandois, J. Dor , P. Molton, A. Lepage , F. Ternoy, E. Coustols	Scientific Publications of ONERA	HAL Id: hal-01058605	ONERA		2014		https://hal-onera.archives-ouvertes.fr/hal-01058605	
Clean Sky	SFWA	WP 1	Transonic Flow; Fluidic Vortex Generator ; Buffet Control ; Closed Loop.	31	Transonic Buffet Control on 3D Turbulent Wings using Fluidic Devices. Part 2: an experimental investigation of a closed loop methodology	A. Lepage, A. Geeraert, J. Dandois, V. Brunet, P. Molton, F. Ternoy, J.B. Dor, E. Coustols	Scientific Publications of ONERA	HAL Id: hal-01057666	ONERA		2014	Jan-18	https://hal-onera.archives-ouvertes.fr/hal-01057666	
Clean Sky	SFWA	WP 1	Forward-swept wings, Aeroelastic design, Rear-mounted engines, Parametric modelling	32	Design and aeroelastic assessment of a forward-swept wing aircraft	Wolf R. Krüger, Thomas Klimmek, René Liepelt, Hauke Schmidt, Stefan Waitz, Sunpeth Cumnuantip	CEAS Aeronautical Journal	Volume 5, Issue 4	Springer Link		2014	419-433	DOI: 10.1007/s13272-014-0117-0	
Clean Sky	SFWA	WP 1	stiffness optimization; forward swept wing; aeroelastic tailoring; composite	33	Static Aeroelastic Stiffness Optimization and Investigation of Forward Swept Composite Wings	J.K.S. Dillinger, M.M. Abdalla, T. Klimmek, Z. G'urdal	10th World Congress on Structural and Multidisciplinary Optimization	DLR Electronic library	DLR Electronic library		2014	1-10	http://www2.mae.ufl.edu/mdo/papers/5414.pdf	
Clean Sky	SFWA	WP 1	Flow control, pulsed jets, flow separation control, open loop control	34	Two-Dimensional Optimisation by Iterative Learning for Flow Separation Control	Zhonglun Cai, David Angland, Xin Zhang, Peng Chen	7th AIAA Flow Control Conference	AIAA 2014-2937	AIAA	Atlanta(USA)	2014		http://dx.doi.org/10.2514/6.2014-2937	
Clean Sky	SFWA	WP 1	learning control algorithm, active flow control, pulsed air jets	35	Iterative Learning Control for Trailing-Edge Flap Lift Enhancement with Pulsed Blowing	Zhonglun Cai, David Angland, Xin Zhang, Peng Chen	AIAA Journal	Volume 53, n. 7	AIAA		2015	1969-1979	http://dx.doi.org/10.2514/1.J053556	
Clean Sky	SFWA	WP 1	Aircraft modelling, Model approximation, Load control, Output saturation	36	Longitudinal Manoeuvre Load Control of a Flexible Large-Scale Aircraft	L. Burlion, C. Poussot-Vassal, P. Vuillemin, M. Leitner, T. Kier	IFAC Proceedings Volumes	Volume 47, Issue 3	ELSEVIER		2014	3413-3418	http://dx.doi.org/10.3182/20140824-6-ZA-1003.01588	
Clean Sky	SFWA	WP 1	Boundary layer, Instability, Gaps, Transition prediction.	37	Experimental and Numerical Study of the Effect of Gaps on Laminar Turbulent Transition of Incompressible Boundary Layers	M. Forte, J. Perraud, A. Seraudie, S. Beguet, L. Gentili, G. Casalis	Procedia IUTAM	Volume 14	ELSEVIER		2015	448-458	http://dx.doi.org/10.1016/j.piutam.2015.03.073	
Clean Sky	SFWA	WP 1	Active flow control, two element high lift airfoil, drooped spoiler, vortex generator jet	38	Active Flow Control on a Two Element High-Lift Airfoil with Drooped Spoiler	M. Casper, Peter Scholz	32nd AIAA Applied Aerodynamics Conference	AIAA 2014-2147	AIAA	Atlanta(USA)	2015		http://dx.doi.org/10.2514/6.2014-2147	
Clean Sky	SFWA	WP 1	Active flow control, high lift performance, structural integration of active flow control, Active Highlift Flap	39	Towards the Industrial Application of Active Flow Control in Civil Aircraft - An Active Highlift Flap	Michael Meyer, Wolfgang Machunze, Matthias Bauer	32nd AIAA Applied Aerodynamics Conference	AIAA 2014-2401	AIAA	Atlanta(USA)	2015		http://dx.doi.org/10.2514/6.2014-2401	

Clean Sky	SFWA	WP 1	Active flow control (AFC), Pulsed, Unsteady, CFRP, Flap	40	Active flow control system integration into a CFRP flap	W. Machunze , A. Gessler, T. Fabel, P. Horst, M. Rädels, K. Wolf, A. Ulbricht, S. Münter, W. Hufenbach, W. Machunze	CEAS Aeronautical Journal	Volume 7, Issue 1	Springer Link		2015	69–81	DOI: 10.1007/s13272-015-0171-2	
Clean Sky	SFWA	WP 1	Natural laminar wing design, hybrid laminar wing design, suction, swept wings, laminar boundary layer	41	DLR natural and hybrid transonic laminar wing design incorporating new methodologies	T. Streit, S. Wedler, M. Kruse	The Aeronautical Journal	Volume 119, Issue 1221	Cambridge University Press		2015	pp:1303-1326	https://doi.org/10.1017/S0001924000011283	
Clean Sky	SFWA	WP 1	Transonic, Buffet, Separation control, Vortex generator, Fluidic control, Closed-loop control	42	Open and closed-loop control of transonic buffet on 3D turbulent wings using fluidic devices	Julien Dandois, Arnaud Lepage, Jean-Bernard Dor, Pascal Molton, Frédéric Ternoy, Arnaud Geeraert, Vincent Brunet, Éric Coustols	Comptes Rendus Mécanique	Volume 342, Issues 6–7	ELSEVIER		2014	pp: 425–436	http://dx.doi.org/10.1016/j.crme.2014.01.015 Get rights and content	
Clean Sky	SFWA	WP 2	Laminar drag reduction, robust laminar wing design, Automated Target Pressure Generator	43	New methodologies tailored for the design of aerodynamically robust laminar wings	Thomas Streit, Sven Wedler, Martin Kruse	proceedings of 3AF conference "Greener Aviation"		3AF Conference	Bruxelles (Belgium)	2014	pp: 1-14		
Clean Sky	SFWA	WP 1	active flow control, pulsed blowing, high-lift, unsteady, URANS	44	A CFD Benchmark for Flow Separation Control Application	Ciobaca V., Dandois J., Bieler H.	International Journal of Flow Control	Volume 6 Issue 3	Multi-Science Publishing		2014	pp: 67-81	http://dx.doi.org/10.1260/1756-8250.6.3.67	
Clean Sky	SFWA	WP 2	Shape distortion analysis, Clean Sky, complex wing structure, tooling	45	Shape distortion analysis of a complex shaped wing skin section	Erik Hörberg, Tonny Nyman, Thomas Hellström, Mats Rudlund, Jonas Bohlin, Rolf Berg	International Conference on Composite Materials	Proceedings	ICCM20	Copenhagen (Denmark)	Jul-15		http://iccm20.org/fullpapers/file?file=60wZadRy1y	
Clean Sky	SFWA	WP 1	Slat-less High-Lift Configuration, flow separation control, active devices, passive devices, mechanical vortex generator parameters	46	Optimization of Passive Devices for the Performance Improvement of a Slat-less High-Lift Configuration	Frédéric Moens, Julien Dandois	Journal of Aircraft	Volume 53, n. 1	AIAA		Apr-15	189-201	http://dx.doi.org/10.2514/1.C033294	
Clean Sky	SFWA	WP 1	Laminar flow, Tollmien–Schlichting-induced transition, drag prediction, stability analysis	47	Experimental and Numerical Methods for Transition and Drag Predictions of Laminar Airfoils	David Hue, Olivier Vermeersch, Didier Bailly, Vincent Brunet, Maxime Forte	AIAA Journal	Volume 53, No. 9	AIAA		Apr-15	2694-2712	http://dx.doi.org/10.2514/1.J053788	
Clean Sky	SFWA	WP 1	Gust generator device, twind tunnels, quasi-sinusoidal waveform	48	Generation of vertical gusts in a transonic wind tunnel	V. Brion, A. Lepage, Y. Amosse, D. Soulevant, P. Senecat, J. C. Abart, P. Paillart	Experiments in fluids	Volume 56, issue 7	Springer link		Jul-15		DOI: 10.1007/s00348-015-2016-5	

Clean Sky	SFWA	WP 1	turbulent- laminar fruitful gaps effects, Transverse Gaps airfoils environmental impact, transition, friction	49	Modeling of Transverse Gaps Effects on Boundary-Layer Transition	S. Beguet, J. Perraud, M. Forte J.-Ph. Brazier	Journal of Aircraft	Volume 0, issue 0	AIAA		Oct-16		DOI: 10.2514/1.C033647	
Clean Sky	SFWA	WP 1	3D transonic wing buffet, measures for shock structure, measures for shock oscillations	50	Characterisation of Buffet on a Civil Aircraft Wing	Simon Lawson, Doug Greenwell, Mark K. Quinn	54th AIAA Aerospace Sciences Meeting, AIAA SciTech Forum	AIAA 2016-1309	AIAA	San Diego (California)	Jan-16		http://dx.doi.org/10.2514/6.2016-1309	
Clean Sky	SFWA	WP 1	stacking sequence optimization, blended composites, structural approximations	51	Blended Composite Optimization combining Stacking Sequence Tables and a Modified Shepard's Method	Yasser M. Meddaikar, Francois-Xavier Irisarri, Mostafa M. Abdalla	11th World Congress on Structural and Multidisciplinary Optimization	WCSMO-11 Proceedings	ISSMO	Sydney (Australia)	Jun-16	1 to 6	http://web.aeromech.usyd.edu.au/WCSMO2015/papers/1267_paper.pdf	
Clean Sky	SFWA	WP 1	CFD correction, aeroelastic loads	52	Accelerated convergence of static aeroelasticity using low-fidelity aerodynamics	Kristofer Jovanov, Roeland De Breuker	56th AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference	AIAA 2015-0175	AIAA	Kissimmee, Florida	Jan-15		http://dx.doi.org/10.2514/6.2015-0175	
Clean Sky	SFWA	WP 1	Natural laminar Flow NLF, hybrid laminar flow HLF, inverse design, wing design, automatic target pressure distribution	53	DLR natural and hybrid transonic laminar wing design incorporating new methodologies	T. Streit, S. Wedler, M. Kruse	The Aeronautical Journal	Volume 119 No 1221	Cambridge University Press	Braunschweig (Germany)	Jan-15	1304-1326	https://doi.org/10.1017/S0001924000011283	
Clean Sky	SFWA	WP 1	swept wing laminar flow, attachment line instability, anti-contamination device	54	Characterization of a highly efficient chevron-shaped anti-contamination device	M. Fiore, O. Vermeersch, M. Forte, G. Casalis, C. François	Experiments in Fluids	Volume 57 No 4	Springer Link		Apr-16	1 to 12	DOI: 10.1007/s00348-016-2149-1	
Clean Sky	SFWA	WP 1	electromagnetic compatibility, Crosstalk, ground plane, carbon-fibre-reinforced-plastic, composites, skin effect	55	Crosstalk between wire pairs above a composite ground plane	J. H. G. J. Lansink Rotgerink, F. Happ, J. J. P. van Es	International Symposium on Electromagnetic Compatibility - EMC EUROPE	EMC Europe	IEEE Xplore	Wroclaw (Poland)	Sep-16	89-93	DOI: 10.1109/EMCEurope.2016.7739201	
Clean Sky	SFWA	WP 2	Turbofan noise, nose shielding, noise reduction	56	Experimental extraction of turbofan noise sources modal content using a transducer distribution designed with CAA	Daniel C. Mincu, Eric Manoha, Jean Bulte, Cyril Polacsek, Vincent Fleury, Floriane Rey	22nd AIAA/CEAS Aeroacoustics Conference, Aeroacoustics Conferences	AIAA 2016-3033	AIAA	Lyon (France)	May-16		http://dx.doi.org/10.2514/6.2016-3033	
Clean Sky	SFWA	WP 1	wind tunnel (WT) test., Gust load control, rational interpolation, robust control, subspace	57	Gust Load Alleviation: Identification, Control, and Wind Tunnel Testing of a 2-D Aeroelastic Airfoil	Charles Poussot-Vassal, Fabrice Demourant, Arnaud Lepage, Dominique Le Bihan	IEEE Journal	Volume PP, issue 99	IEEE Xplore		Dec-16	1 to 14	DOI: 10.1109/TCST.2016.2630505	
Clean Sky	SFWA	WP 3	vibration control technology, forced excitation, closed-loop vibration control, vibration level reduction	58	Ground test for vibration control demonstrator	C Meyer, J Prodigue, G Broux, O Cantinaud, C Poussot-Vassal	Journal of Physics : Conference Series	Volume 744, Number 1	IOP Publishing Ltd	Southampton (UK)	Jul-16	1 to 12	doi:10.1088/1742-6596/744/1/012004	

Clean Sky	SFWA		aerodynamic, rudder, morphing, lateral, directional, aircraft, stability, control	59	Effect of an aerodynamic rudder improvement on transport aircraft lateral-directional dynamic stability and control	M. A. Castillo Acero, C. Cuerno Rejado, M. A. Gómez Tierno	Proceedings of Greener Aviation Conference 2016	paper id:68	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available
Clean Sky	SFWA		harness designs, wire and bundle temperature measurements, thermal vacuum chamber	60	Harness Derating Test Facility for Thermal Testing of Aerospace Harnesses	Roel van Benthem, Wubbo de Grave	Space Passive Components Days ESA/ESTEC	NLR-TP-2016-349	NLR	Noordwijk (The Netherlands)	Aug-16	1 to 16	http://reports.nlr.nl:8080/xmlui/bitstream/handle/10921/1090/TP-2016-349.pdf?sequence=1	
Clean Sky	SFWA	WP 1	Frequency data identification, model approximation, subspace, Loewner, aerospace	61	A new frequency-domain subspace algorithm with restricted poles location through LMI regions and its application to a wind tunnel test	F. Demourant, C. Poussot-Vassal	International Journal of Control	Volume 90, Issue 4	Taylor&Francis Online		Sep-16	779 to 799	http://dx.doi.org/10.1080/00207179.2016.1230230	
Clean Sky	SFWA	WP 1	laminarity, transition control, Anti Contamination Device, ACD, micron-sized roughness, MSR, attachment line transition, wall suction	62	Research activities of ONERA on laminar airfoils in the framework of JTI Clean Sky SFWA-ITD: transition control	M. Forte, E. Piot, O. Vermeersch, G. Casalis, C. François	Proceedings of Greener Aviation Conference 2016	paper id:78	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available
Clean Sky	SFWA	WP 1	laminarity, transition prediction, NLF, HLFC, surface defects, surface tolerance	63	Research activities of ONERA on laminar airfoils in the framework of JTI Clean Sky SFWA-ITD: transition prediction	M. Forte, E. Piot, J. Perraud, D. Hue, J. Duchemin, O. Vermeersch	Proceedings of Greener Aviation Conference 2016	paper id:79	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available
Clean Sky	SFWA	WP 1	CROR, CleanSky, ACTIOM, pylon, stereoscopic Particle Image Velocimetry, Scheimpflug	64	IN-FLIGHT PIV FOR CROR FLIGHT TEST DEMONSTRATION	Gael Napias, Yannick Bury, Valérie Pommier-Budinger	Proceedings of Greener Aviation Conference 2016	paper id:200	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available
Clean Sky	SFWA	WP 1	loads analysis, loads reduction, aeroelastic tailoring	65	ADAPTIVE WING: INVESTIGATIONS OF PASSIVE WING TECHNOLOGIES FOR LOADS REDUCTION IN THE CLEAN SKY SMART FIXED WING AIRCRAFT (SFWA)	W.R. Krüger, J. Dillinger, R. De Breuker, M. Reyes, K. Haydn	Proceedings of Greener Aviation Conference 2016	paper id:122	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available
Clean Sky	SFWA	WP 1	gust load, wind tunnel, closed-loop, active alleviation	66	EXPERIMENTAL INVESTIGATION AND CONTROL OF GUST LOAD RESPONSE IN TRANSONIC FLOW	Arnaud Lepage, Fabien Huvelin, Dominique Le Bihan, Charles Poussot-Vassal, Vincent Brion, Pascal Naudin, Eric Rantet	Proceedings of Greener Aviation Conference 2016	paper id:94	3AF	Brussels (Belgium)	Oct-16	1 to 12		paper available