

**TEMPLATE A1: LIST OF SCIENTIFIC (PEER REVIEWED) PUBLICATIONS AND TECHNICAL PAPERS**

Program	ITD	Domain	Key worlds	No.	Title	Main author	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 identifiers[1] (if available)	Is/Will open access[2] provided to this publication?
CLEAN SKY	GRC			1	Validation of an on-board microphone system for the measurement of the exterior noise of a helicopter	Silviu Emil Ionescu, Nico van Oosten, Fausto Cenedese	Proceedings of the International Conference of Aerospace Sciences "AEROSPATIAL 2012"	AEROSPATIAL 2012	INCAS	Bucharest (Romania)	2012	Section 6	ISSN 2067-8614	Yes, proceedings
CLEAN SKY	GRC			2	Optimized ERICA Engine Intake Wind Tunnel Test	G. Gibertini, F. Auteri, L. Colaiuda, M. Ermacorora, D. Grassi, A. Zanotti	41st European Rotorcraft Forum	Viol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1176 - 1186	ISBN: 9781510819832	
CLEAN SKY	GRC			3	Aerodynamic Shape Optimization of Air-Intakes of a Helicopter Turboshaft	A. Garavello, M. Russo, C. Comis da Ronco, R. Ponza, E. Benini								
	GRC			4	A Test Rig to Assess the Effectiveness of Drag Reduction Devices on a Heavy-Class	G. Gibertini, F. Auteri, G. Campanardi, G. Droandj, D. Grassi, A. Le Pape, A. Zanotti	41st European Rotorcraft Forum	Viol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1202 - 1209	ISBN: 9781510819832	
CLEAN SKY	GRC			5	ANCORA: ANotec-COmoti Rotorcraft Acoustics initiative for preliminary acoustic flight tests for the tuning of simplified rotorcraft noise models	N. Van Oosten, L. Dragasanu, F. Cenedese	41st European Rotorcraft Forum	Viol. 1	Proceedings.com	Munich (Germany)	Sep-15	pp. 1159 - 1166	ISBN: 9781510819832	
CLEAN SKY	GRC		rotorcraft, rotor aerodynamics, active flow control, Active Gurney Flap, URANS, ANSYS FLUENT	6	Computational Investigations of Active Flow Control on Helicopter-Rotor Blades	Wienaczslaw Stalewski, Janusz Sznajder	Journal of KONES Powertrain and Transport	Vol 21, No.2	Institute of Aviation	Warsaw (Poland)	2014	p. 282-288	DOI: 10.5604/12314005.1133905	Yes

CLEAN SKY	GRC			7	Rotorcraft Applications of Active Gurney Flap Investigated within the Clean-Sky Project COMROTAG	Wieneczyslaw Stalewski	41st European Rotorcraft Forum	2016-01	Deutsche Gesellschaft für Luft- und Raumfahrt	Munich (Germany)	2016	pp 336-248	ISBN: 9781510819832	yes
CLEAN SKY	GRC		helicopter rotor blades, flow control, Active Gurney Flap, rotorcraft performance	8	Flow Control on Helicopter-Rotor Blades via Active Gurney Flap	Wieneczyslaw Stalewski	Proceedings of the 30th Congress of the International Council of Aeronautical Sciences ICAS2016	paper 0527	ICAS	Daejeon (Korea)	Sep-16	pp. 1-10	ISBN: 978-3-932182-85-3	yes
CLEAN SKY	GRC			9	Interlaminar Fracture Toughness of Carbon Fiber Reinforced Thermoplastic In-situ Joints	V. Radlmaier, G. Obermeier, S. Ehard, A. Kollmannsberger, H. Koerber, E. Ladstaetter	AIP Conference Proceedings of PPS 2015 Graz	Vol. 1779, issue 1	AIP Conference Proceedings	Graz (Austria)	2015	tbd	<a href="https://doi.org/10.1063/1.4965562">https://doi.org/10.1063/1.4965562</a>	No
CLEAN SKY	GRC		Induction welding; Polyphenylene sulfide; Heat transfer; Single process modeling; Stiffened composite laminate	10	Fabrication of a thermoplastic matrix composite stiffened panel by induction welding	Silvio Pappada, Andrea Salomi, Jeanette Montanaro, Alessandra Passaro, Antonio Caruso, Alfonso Maffezzoli	Aerospace Science and Technology	Volume 43	Elsevier		2015	pp. 314-320	<a href="https://doi.org/10.1016/j.ast.2015.03.013">https://doi.org/10.1016/j.ast.2015.03.013</a>	No
CLEAN SKY	GRC			11	Helicopter fuselage wake prediction using Detached Eddy Simulation methods in OpenFOAM	M. Fuchs, C. Mockett, M. Gual-Skoepke, F. Le Chuiton, F. Thiele	7 <sup>th</sup> OpenFOAM Workshop	7 <sup>th</sup> , Jun. 2012		Darmstadt (Germany)	2012		<a href="https://ayera.dl.sourceforge.net/project/openfoam-extend/OpenFOAM_Workshops/OFW7_2012_Darmstadt/Workshop-Documents/Presentations-Talks/FuchsMarian/Final-MarianFuchsEtAlSlidesOFW7.pdf">https://ayera.dl.sourceforge.net/project/openfoam-extend/OpenFOAM_Workshops/OFW7_2012_Darmstadt/Workshop-Documents/Presentations-Talks/FuchsMarian/Final-MarianFuchsEtAlSlidesOFW7.pdf</a>	No
CLEAN SKY	GRC		Conferenza	12	Helicopter Fuselage Wake Prediction using Detached Eddy Simulation	Mockett C., Le Chuiton F., Fuchs M., Thiele F.	Progress in Hybrid RANS-LES Modelling	NNFM vol. 117	Springer	Beijing (China)	2012	413-425	DOI 10.1007/978-3-642-31818-4_36	no
CLEAN SKY	GRC			13	Detached-Eddy Simulation of Separated Wake Flow Around Complex Helicopter Fuselage Configuration	M. Fuchs, F. Le Chuiton, C. Mockett, J. Sesterhenn, F. Thiele	Progress in Hybrid RANS-LES Modelling	NNFM vol. 130	Springer	Texas (USA)	2015	131-140	DOI 10.1007/978-3-319-15141-0_10	no
CLEAN SKY	GRC		Windings, Generators, Assembly, Conductors, Stator windings, Temperature measurement	14	Winding design for minimum power loss and low-cost manufacture in application to fixed-speed PM generator	R. Wrobel, D. Staton, R. Lock, J. Booker, D. Drury	Proceedings of Energy Conversion Congress and Exposition (ECCE), 2014 IEEE	ECCE 2014	IEEE XPLORE	Pittsburgh (USA)	Sep-14	pp. 1806 - 1813	DOI: 10.1109/ECCE.2014.6953637	Yes

CLEAN SKY	GRC			15	MANOEUVRES – An effort towards quieter, reliable rotorcraft terminal procedures	Trainelli L., Rolando A., Zappa E., Manzoni S., Lovera M., Gennaretti M., Bernardini G., Cordisco P., Terraneo M., Vigoni E., Grasseti R.	Proceedings of the 3AF conference "Greener Aviation: CleanSky breakthroughs and worldwide status"	3AF 2014	3AF Proceedings	Brussels (Belgium)	Mar-14	pp. 1-7		
CLEAN SKY	GRC			16	Tiltrotor: the environment friendly user of the European sky	Gilda Bruno, Francesco De Santis, Giovanni Negro, Luca Rivello	Proceedings of the 3AF conference "Greener Aviation: CleanSky breakthroughs and worldwide status"	3AF 2014	3AF Proceedings	Brussels (Belgium)	Mar-14	pp. 1-9		
CLEAN SKY	GRC			17	Technical paper and oral presentation to the 3AF Greener Aviation Conference	A. Frassoldati, A. Cuoci, T. Faravelli, E. Ranzi	Proceedings of the 3AF conference "Greener Aviation: CleanSky breakthroughs and worldwide status"	3AF 2014	3AF Proceedings	Brussels (Belgium)	Mar-14	pp. 1-9		
CLEAN SKY	GRC		Voltage measurement, Voltage control, Transient analysis, Stator windings, Emulation, Aerospace electronics	18	Hardware in the loop emulation of synchronous generators for aircraft power systems	A. Griffo, D. Drury	Proceedings of the Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS), 2012	ESARS 2012	IEEE XPLORE	Bologna (Italy)	Oct-12	pp. 1-6	DOI: 10.1109/ESARS.2012.6387388	No
CLEAN SKY	GRC		PMSM, Real-time modelling, Hardware-in-the-Loop, Synchronous machines	19	Computationally efficient modelling of permanent magnet synchronous motor drives for real-time Hardware-in-the-Loop simulation	A. Griffo, D. Salt, R. Wrobel, D. Drury	Industrial Electronics Society, IECON 2013 - 39th Annual Conference of the IEEE	IECON 2013	IEEE XPLORE	Vienna (Austria)	November 2013	pp. 5368 - 5373	DOI: 10.1109/IECON.2013.6700009	No
CLEAN SKY	GRC		aircraft power systems, Hardware-in-the-loop, more electric aircraft, synchronous	20	Hardware in the loop based synchronous generator emulation test rig for more electric aircraft power systems	A. Griffo, D. Drury, D. Salt	Proceedings of the 6 <sup>th</sup> IET Conference on Power Electronics, Machines and Drives, 2012	PEMD 2012	IEEE XPLORE	Bristol (UK)	Mar-12	pp. 1-6	DOI: 10.1049/cp.2012.0248	No
CLEAN SKY	GRC			21	ACHIEVING ROTORCRAFT NOISE AND EMISSIONS REDUCTION FOR 'CLEAN SKY' – THE MEASUREMENT OF SUCCESS	C. Smith, J. Stevens, K. Karamolegkos, I. Goulos, V. Pachidis, J. Stevens, L. Thevenot, D. Descloux	Proceedings of the 40th European Rotorcraft Forum	Viol. 1	Proceedings.com	Southampton (UK)	Sep-14	pp. 533 - 546	ISBN: 9781510802568	
CLEAN SKY	GRC			22	SIMULATION OF HELICOPTER NOISE IN MANEUVERING FLIGHT	M. Gennaretti, J. Serafini, M. M. Colella, G. Bernardini	Proceedings of the 40th European Rotorcraft Forum	Viol. 1	Proceedings.com	Southampton (UK)	Sep-14	pp. 639 - 648	ISBN: 9781510802568	

CLEAN SKY	GRC		Windings, Generators, Assembly, Conductors, Stator windings, Stator cores	23	Winding Design for Minimum Power Loss and Low-Cost Manufacture in Application to Fixed-Speed PM Generator	R. Wrobel, D. Staton, R. Lock, J. Booker, D. Drury	Browse Journals & Magazines IEEE Industrial Transactions on Industry Applications	Vo. 51, Issue 5	IEEE XPLORE	May-15	pp. 3773 - 3782	DOI: 10.1109/TIA.2015.2434802	Yes
CLEAN SKY	GRC			24	MEASUREMENT OF THE ROTOR BLADE SECTION AERODYNAMIC COEFFICIENTS BY PARTICLE IMAGE VELOCIMETRY	A. Zanotti, G. Gibertini, F. Auteri, G. Campanardi, G. Droandi, D. Grassi, G. Crosta	Proceedings of the 41st European Rotorcraft Forum	Viol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1181 - 1189	ISBN: 9781510819832
CLEAN SKY	GRC			25	IN-FLIGHT VALIDATION OF ROTORCRAFT EMISSION PREDICTIONS AND LOWPOLLUTANT MISSION	Frassoldati, A. Cuoci, T. Faravelli, A. Ferrante, M. Stachurska, M. Redaelli, L. Riviello	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1167- 1180	ISBN: 9781510819832
CLEAN SKY	GRC			26	Acoustic Prediction of Helicopter Unsteady Manoeuvres.	M. Gennaretti, G. Bernardini, J. Serafini, L. Trainelli, A. Rolando, A. Scandroglio, L. Riviello, E. Paolone	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1100-1111	ISBN: 9781510819832
CLEAN SKY	GRC			27	CLEANSKY GREEN ROTORCRAFT NOISE AND EMISSIONS BENEFITS - MAXIMIZING THE IMPACT OF NEW TECHNOLOGIES	J. Stevens, C. Smith, V. Pachidis, L. Thevenot, R. Dippolito	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1143-1158	ISBN: 9781510819832
CLEAN SKY	GRC			28	ELECTRICAL MACHINE TECHNOLOGIES FOR AN ELECTRIC TAIL ROTOR DRIVE	P. H. Mellor, J. Yon, S. Williamson, J. Farman, J. D. Booker, M. Barber, K. Stickels, P. Brinson	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1159-1166	ISBN: 9781510819832
CLEAN SKY	GRC			29	CLEANSKY GRC4: LIGHT HELICOPTER DEMONSTRATOR WITH HIGH COMPRESSION ENGINE	A. Gierczynski	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1135-1142	ISBN: 9781510819832
CLEAN SKY	GRC			30	PARAMETRIC OPTIMIZATION OF A FLEXURE-BASED ACTIVE GURNEY FLAP MECHANISM FOR MINIMUM STRESS	J. Freire Gomez, J. D. Booker, P. H. Mellor	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1210-1219	ISBN: 9781510819832

CLEAN SKY	GRC			31	AN ADJOINT BASED GRADIENT OPTIMIZATION CHAIN FOR COMPLEX HELICOPTER FUSELAGE PARTS USING A FREE FORM DEFORMATION OR CAD BASED PARAMETERIZATION METHOD	M. Wentrup	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 112-1134	ISBN: 9781510819832
CLEAN SKY	GRC			32	Observing the Angle of Attack of the Tip Path Plane from Rotor Blade Measurements	L. Trainelli, C. E. D. Riboldi, M. Bucari	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp. 1- 6	ISBN: 9781510819832
CLEAN SKY	GRC			33	Project MANOEUVRES – Towards Real-Time Noise Monitoring and Enhanced Rotorcraft Handling Based on Rotor State Measurements	L. Trainelli, M. Lovera, A. Rolando, E. Zappa, M. Gennaretti, P. Cordisco, R. Grassetto, M. Redaelli	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp.1220 - 1227	ISBN: 9781510819832
CLEAN SKY	GRC			34	THE PILOT ACOUSTIC INDICATOR: A NOVEL COCKPIT INSTRUMENT FOR THE GREENER HELICOPTER PILOT	A. Rolando, F. Rossi, C. E. D. Riboldi, L. Trainelli, R. Grassetto, D. Leonello, M. Redaelli	Proceedings of the 41st European Rotorcraft Forum	Vol. 2	Proceedings.com	Munich (Germany)	Sep-15	pp.1228 - 1241	ISBN: 9781510819832
CLEAN SKY	GRC	Sensitivity, Rotors, Bandwidth, Robustness, Uncertainty, Frequency control, Noise		35	Rotor state feedback in helicopter flight control: Robustness and fault tolerance	Panza S., Lovera M.	Proceedings of the Conference on Control Applications	CCA 2014	IEEE XPLORE	Juan Les Antibes (France)	Oct-14	pp. 451 - 456	DOI: 10.1109/CCA.2014.6981387
CLEAN SKY	GRC			36	Rotor State Feedback in the Design of Rotorcraft Attitude Control Laws	Panza S., Lovera M.	Third CEAS Specialist Conference on Guidance, Navigation and Control held in Toulouse	Book	Springer	TOULOUSE (france)	Apr-15	pp. 205-225	<a href="https://doi.org/10.1007/978-3-319-17518-8_13">https://doi.org/10.1007/978-3-319-17518-8_13</a>
CLEAN SKY	GRC			37	Methodologies for Helicopter Noise Footprint Prediction in Manoeuvring Flights	G. Bernardini, A. Anobile, J. Serafini, S. Hartjes, M. Gennaretti	22nd International Congress on Sound and Vibration 2015 (ICSV 22)	Vol. 2	IEEE XPLORE	Florence (italy)	Jul-15	pp. 1356-1363	ISBN: 9781510809031

CLEAN SKY	GRC		Computational aeroacoustics; Helicopter noise hemisphere; Unsteady maneuver noise; Inverse helicopter dynamics; Rotor aeroelasticity	38	Numerical Characterization of Helicopter Noise Hemispheres	M. Gennaretti, J. Serafini, G. Bernardini, A. Castorini, G. De Matteis, G. Avanzini	Aerospace Science and Technology,.	Vol. 52	Elsevier		May-16	pp. 18–28	doi: 10.1016/j.ast.2016.02.013	Yes
CLEAN SKY	GRC		Case studies, Design strategies, Concept design, Electromechanical system design and analysis	39	Effective Practices for the Concept Design of Electromechanical Systems	Booker J. D., Lock R., Williamson S., Freire Gomez, J.	Journal of Engineering, Design and Technology, 14, 3	Vol. 14, Issue 3	Emeralinsight		2016	pp. 489-506	<a href="https://doi.org/10.1108/JED-T-03-2014-0017">https://doi.org/10.1108/JED-T-03-2014-0017</a>	
CLEAN SKY	GRC		Experimental apparatus, Stator-housing, Thermal resistance, Thermal contact conductance, Coefficient of friction	40	Multi-Physics Experimental Investigation into Stator-Housing Contact Interface,	Simpson N., Wrobel R., Booker J. D., Mellor, P. H.	8th IET International Conference on Power Electronics, Machines and Drives	PEMD 2016	IEEE XPLORE	Glasgow(UK)	Apr-16	pp. 1-6	DOI: 10.1049/cp.2016.0129	
CLEAN SKY	GRC		Low-voltage Insulation System, insulation Ageing, Conductive Heat Transfer, Motorette	41	Effects of Insulation Ageing on the Conductive Heat Transfer from the Winding Body into Machine Periphery/Stator Core Pack	Williamson, S. J., Wrobel, R., Booker, J. D., Yon, J., Mellor, P. H.	8th IET International Conference on Power Electronics, Machines and Drives	PEMD 2016	IEEE XPLORE	Glasgow(UK)	Apr-16	pp. 1-6	DOI: 10.1049/cp.2016.0230	
CLEAN SKY	GRC		heat transfer, low-voltage electrical insulation system, slot liner material, manufacture repeatability	42	Characterising the Performance of Selected Electrical Machine Insulation Systems	R. Wrobel, S. J. Williamson, J. D. Booker, P. H. Mellor	Proc. IEEE Energy Conversion Conference and Expo	ECCE 2015	IEEE XPLORE	Montreal (Canada)	Sep-15	pp. 4857 - 4864	DOI: 10.1109/ECCE.2015.7310345	
CLEAN SKY	GRC		thermal analysis, winding power loss, parallel sided slot design, open-slot modular stator winding, slot shape	43	Impact of slot shape on loss and thermal behaviour of open-slot modular stator windings.	Wrobel, R., Williamson, S. J., Simpson, N., Ayat, S., Yon, J., Mellor, P.	Proceedings of the Energy Conversion Congress and Exposition (ECCE) 2015	ECCE 2015	IEEE XPLORE	Montreal (Canada)	Sep-15	pp. 4433 - 4440	DOI: 10.1109/ECCE.2015.7310286	
CLEAN SKY	GRC			44	Trade Study: Influence of Different Blade Shape Designs on Forward Flight and Hovering Performance of an Isolated Rotor	Martin Hollands, Manuel Keßler, Andree Altmikus, Ewald Krämer.	Proceedings og the 37th European Rotorcraft Forum	Vol. 1	ERF 2011	Gallarate (Italy)	Sep-11	pp. 968-977	ISBN: 9781618396266	Yes
CLEAN SKY	GRC			45	Influence of An-/Dihedral and of Different Blade Shapes on Performance and Aeroacoustics of an Isolated Rotor	Martin Hollands, Manuel Keßler, Ewald Krämer.	Proceedings of the 38th European Rotorcraft Forum	Vol.	ERF 2012	Amsterdam (Netherlands)	Sep-12	pp. 602-611	ISBN: 9781627480611	Yes
CLEAN SKY	GRC			46	Planform Design for a Five Bladed Isolated Helicopter Rotor Using Fluid-Structure Coupled CFD Simulations	Martin Hollands, Manuel Keßler, Ewald Krämer.	Applied Aerodynamics Conference	31st Applied Aerodynamics Conference	AIAA	San Diego (USA)	Jun-13		<a href="https://doi.org/10.2514/6.2013-2525">https://doi.org/10.2514/6.2013-2525</a>	No

CLEAN SKY	GRC			47	Blade Shape Design: Interpolation Based on Fluid-Structure Coupled Simulations of an Isolated Rotor in Forward Flight	Martin Hollands, Manuel Keßler, Ewald Krämer.	New Results in Numerical and Experimental Fluid Mechanics IX. Notes on Numerical Fluid Mechanics and Multidisciplinary Design	Vol. 124	Springer - Nitsche W., Rist U.	Stuttgart (Germany)	Jan-14	pp. 245-253	DOI: <a href="https://doi.org/10.1007/978-3-319-03158-3_25">https://doi.org/10.1007/978-3-319-03158-3_25</a>	No
CLEAN SKY	GRC			48	Disassembly of fusion-bonded thermoplastic composite structures	Lemke C., Wolfahrt M., Reppe M., Zarembo S., Drechsler, K.	Proceedings of the SAMPE Europe Tampere - Efficient composite solutions to foster economic growth	SKU/Code: SETEC-8180	SAMPE - North America	Tampere (Finland)	Sep-14	pp. 1-9	ISBN: 9789082172713	
CLEAN SKY	GRC			49	Finite element simulation to support continuous induction welding of PPS-Carbon Composite	S. Pappadà, A. Caruso, A. Salomi, A. Passaro, R. Angiuli, J. Montanaro, A. Maffezzoli	Proceedings of the 34th SAMPE Europe International Technical Conference & Forum	Seico 13	Proceedings.com	Paris (France)	Mar-14	pp. 358-364	ISBN: 9781627486293	
CLEAN SKY	GRC			50	Numerical Comparison of Dynamic Stall for Two-Dimensional Airfoils and an Airfoil Model in the DNW-TWG	A. Klein, Th. Lutz, E. Krämer, K. Richter, A. D. Gardner, A. R. M. Altmikus.	Journal of the American Helicopter Society	Vol 57, N. 4	AHS		Oct-12	pp. 1-13	DOI: <a href="https://doi.org/10.4050/JAH-S.57.042007">https://doi.org/10.4050/JAH-S.57.042007</a>	No
CLEAN SKY	GRC			51	Generation and Verification of Meshes Used in Automated Process Chains to Optimize Rotor Blades	Patrick Kranzinger, Martin Hollands, Manuel Kessler, Siegfried Wagner, Ewald Kraemer	50th AIAA Aerospace Sciences Meeting	AIAA proceedings	ARC	Nashville (Tennessee)	Jan-12		<a href="https://doi.org/10.2514/6.2012-1260">https://doi.org/10.2514/6.2012-1260</a>	
CLEAN SKY	GRC			52	Aeroacoustic Validation of the Free Wake Method FIRST on the basis of an H145-T2 Main Rotor in Descent Flight	P.P. Kranzinger, M. Kessler, E. Kraemer	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 624-637	ISBN: 9781510839144	Yes
CLEAN SKY	GRC			53	CLEANSKY GRC4: LIGHT HELICOPTER DEMONSTRATOR WITH HIGH COMPRESSION ENGINE (HCE)	A. Gierczynski	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16		ISBN: 9781510839144	Yes
CLEAN SKY	GRC			54	CLEANSKY GREEN ROTORCRAFT NEW TECHNOLOGIES – MAXIMIZING NOISE AND EMISSIONS BENEFITS	J. Stevens, C. Smith, L. Thevenot, R. d'Ippolito, E. Gires, A.C. Pardo, V. Pachidis	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 557-560	ISBN: 9781510839144	Yes
CLEAN SKY	GRC			55	Demonstration and Testing of the Pilot Acoustic Indicator on a Helicopter Flight Simulator	A. Rolando, F. Rossi, L. Trainelli, D. Leonello, G. Maisano, M. Redaelli	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 398-405	ISBN: 9781510839144	Yes

CLEAN SKY	GRC			56	A Novel Contactless Sensor for Helicopter Blade Motion In-flight Measurements	E. Zappa, L. Trainelli, P. Cordisco, E. Vigoni, A. Rolando, M. Redaelli, F. Rossi, R. Liu	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 367-380	ISBN: 9781510839144	Yes
CLEAN SKY	GRC			57	EXPERIMENTAL/NUMERICAL ACOUSTIC CORRELATION OF HELICOPTER UNSTEADY MANOEUVRES	M. Gennaretti, G. Bernardini, S. Hartjes, A. Scandroglio, L. Riviello, E. Paolone	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 383-393	ISBN: 9781510839144	Yes
CLEAN SKY	GRC			58	Development and Testing of Innovative Solutions for Helicopter Inflight Noise Monitoring and Enhanced Control Based on Rotor State Measurements	L. Trainelli, M. Gennaretti, E. Zappa, M. Lovera, A. Rolando, P. Cordisco, R. Grasseti, M. Redaelli	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-16	pp. 409-418	ISBN: 9781510839144	Yes
CLEAN SKY	GRC		Helicopter blade motion, flapping sensor, blade angle measurement, rotor state feedback, contactless sensing	59	Developing a Novel Contactless Sensor for Helicopter Rotor State Measurements	Cordisco P., Liu R., Redaelli M., Riviello L., Rolando A., Rossi F., Trainelli L., Vigoni E., Zappa E.	Proceedings of the 36th European Telemetry and Test Conference	ETC 2016	AMA conferences	Nuremberg (Germany)	May-16	pp. 69-77	DOI: 10.5162/etc2016/2.3	yes
CLEAN SKY	GRC			60	Aeroacoustic Validation of the Free Wake Method FIRST on the basis of an EC145-T2 Main Rotor in Descent Flight	P.P. Kranzinger, M. Kessler, E. Kraemer	Proceedings of the 42nd European Rotorcraft Forum	Vol. 1	Proceedings.com	Lille (France)	Jul-15	pp. 561-572	ISBN: 9781510839144	Yes
CLEAN SKY	GRC		Simulation, Test Rig, Electro Mechanical, Actuators, EMA, HEMAS, Test Bench, Design	61	Test bench for helicopter electro mechanical actuation system validation: Design and validation of dedicated test bench for aeronautical electromechanical actuators	Imanol Echevarria, Joseba Lasa, Pablo Casado, Alberto Domínguez, Iñigo Eguizabal, Mikel Lizeaga, Raul Pérez, Oscar Berenguer	Proceedings of the International Conference on Industrial Technology	ICIT 2015	IEEE XPLORE	Seville (Spain)	Mar-15	pp. 517-523	DOI: 10.1109/ICIT.2015.7125151	
CLEAN SKY	GRC		planar magnetics, Dual active bridge converter, SiC power MOSFETs	62	1.2kW Dual-Active Bridge Converter using SiC Power MOSFETs and Planar Magnetics	D. De, A. Castellazzi, A. Lamantia	The 2014 International Power Electronics Conference	IPEC 2014 - ECCE	IEEE XPLORE	Hiroshima (Japan)	May-14	pp. 2503 - 2510	DOI: 10.1109/IPEC.2014.6869941	yes
CLEAN SKY	GRC		FPGA, DAB converter, soft-starting	63	Soft-starting procedure for dual active bridge converter	F. Giuliani, A. Costabeber, N. Delmonte, P. Cova, A. Castellazzi	16th Workshop on Control and Modeling for Power Electronics (COMPEL)	COMPEL 2015	IEEE Xplore	Vancouver (Canada)	Jul-15	pp. 1-6	DOI: 10.1109/COMPEL.2015.7236516	yes



CLEAN SKY	GRC		High frequency power converter, Parallel operation	64	Parallel-connected bidirectional converters for avionic applications	F. Giuliani , N. Delmonte, P. Cova, A. Costabebber, A. Castellazzi	17th European Conference on Power Electronics and Applications (EPE'15 ECCE Europe 2015)	EPE'15 ECCE Europe	Proceedings.com	Geneva (Switzerland)	Sep-15		ISBN: 9789075815238	Yes
CLEAN SKY	GRC		dynamics, contactless, blade angles, measurement	65	Real time contactless sensor for helicopter blade angle measurement	Zappa E., Trainelli L., Liu R., Rolando A., Rossi F., Cordisco P., Vigoni E., Redaelli M.	3rd IEEE International Workshop on Metrology for Aerospace	MetroAeroSpace 2016	IEEE Xplore	Florence (Italy)	Jun-16	pp. 239 - 244	DOI: 10.1109/MetroAeroSpace.2016.7573219	
CLEAN SKY	GRC			66	Contactless Rotor Flapping Sensor Design, Implementation and Testing	Cigada A., Colombo A., Cordisco P., Ferrario A., Grassetti R., Manzoni S., Redaelli M., Rolando A., Terraneo M., Trainelli L., Vigoni E., Zappa E.	American Helicopter Society International 72nd Annual Forum	SKU # : 72-2016-247	The Vertical Flight Library and AHS Online Store	West Palm Beach (USA)	May-16	pp. 1-11	ISSN: 2167-1281	
CLEAN SKY	GRC			67	Innovative Rotor-state Measurements Enabling Helicopter In-flight Noise Monitoring and Enhanced Attitude Control	Trainelli L., Cordisco P., Gennaretti M., Grassetti R., Lovera M., Redaelli M., Rolando A., Zappa E.	American Helicopter Society International 72nd Annual Forum	SKU # : 72-2016-246	The Vertical Flight Library and AHS Online Store	West Palm Beach (USA)	May-16	pp. 1-7	ISSN: 2167-1281	
CLEAN SKY	GRC			68	Innovative Helicopter In-Flight Noise Monitoring Enabled by Rotor State Measurements	Trainelli L., Gennaretti M., Bernardini G., Rolando A., Riboldi C. E. D., Redaelli M., Riviello L., Scandroglio A.	Noise Mapping,	Vol. 3, issue 1	De Gruyter		May-16	pp. 190-215	<a href="http://dx.doi.org/10.1515/noise-2016-0014">http://dx.doi.org/10.1515/noise-2016-0014</a>	Yes
CLEAN SKY	GRC		SiC devices; DC-DC converter; Thermal management	69	Robust snubber-less soft-switching power converter using SiC power MOSFETs and bespoke thermal design	F. Giuliani , D. Dipankar, N. Delmonte , A. Castellazzi, P. Cova	Microelectronics Reliability Journal	Volume 54, Issues 9-10	Elsevier		Sep-14	pp. 1916-1920	<a href="https://doi.org/10.1016/j.microrel.2014.07.057">https://doi.org/10.1016/j.microrel.2014.07.057</a>	Yes
CLEAN SKY	GRC		Helicopters; Wind tunnel; Vortex generators; Computational fluid dynamics	70	Helicopter drag reduction by vortex generators.	G. Gibertini, J.C. Boniface, A. Zanotti, G. Droandi, F. Auteri, R. Gaveriaux, A. Le Pape	Aerospace Science and Technology journal	vol. 57	Elsevier		Jul-05	pp. 1270-9638	doi:10.1016/j.ast.2015.10.004	Yes

CLEAN SKY	GRC		journal	71	Robustness and Limits of Vortex Generator Effectiveness in Helicopter Drag Reduction	A. Zanotti, G. Droandi, F. Auteri, G. Gibertini, A. Le Pape	Journal of the American Helicopter Society	Vol. 61, N. 3	AHS International		Jul-05	pp. 1-7	doi:10.4050/JAHS.61.032007	ISSN: 2161-6027,
	GRC		journal	72	Wind-tunnel tests of a heavy-class helicopter optimised for drag reduction	A. Zanotti, G. Droandi, G. Gibertini, D. Grassi, G. Campanardi, F. Auteri, A. Aceti, A. Le Pape	The Aeronautical Journal	Volume 120, Issue 1231	Cambridge University Press		Sep-16	pp. 1446-1467	https://doi.org/10.1017/aer.2016.60	
CLEAN SKY	GRC			73	Wind-tunnel tests of a heavy-class helicopter optimised for drag reduction	A. Zanotti, G. Droandi, G. Gibertini, D. Grassi, G. Campanardi, F. Auteri, A. Aceti, A. Le Pape	The Aeronautical Journal	Volume 120, Issue 1231	Cambridge University Press		Sep-16	pp. 1446-1467	https://doi.org/10.1017/aer.2016.60	
CLEAN SKY	GRC			74	A Novel Approach for Reconstructing Pressure from Piv Velocity Measurements,	F. Auteri, M. Carini, D. Zagaglia, D. Montagnani, G. Gibertini, C. B. Merz, A. Zanotti	Experiments in Fluids	vol. 56, art. 45		Experiments in Fluids	Feb-15		doi:10.1007/s00348-015-1912-z	
CLEAN SKY	GRC			75	Experimental investigation of a helicopter rotor with Gurney flaps	G. Gibertini, A. Zanotti, G. Droandi, F. Auteri, G. Crosta	Aeronautical Journal	Volume 121, Issue 1236	Royal Aeronautical Society	Milan	Jul-05	pp. 191-212	https://doi.org/10.1017/aer.2016.120	
CLEAN SKY	GRC			76	Aerodynamic Optimization of the ERICA Tilt-Rotor Intake and Exhaust System	A. Garavello, E. Benini, R. Ponza, A. Scandroglio, A. Saporiti	37th European Rotorcraft Forum	Vol. 2	Proceedings.com	Vergiate and Gallarate (Italy)	Sep-11	pp. 879-895	ISBN: 9781618396266	no
CLEAN SKY	GRC			77	Assessment of the Engine Installation Performance of a Redesigned Tiltrotor Intake System	Garavello A., Nibale T., Benini E., Miste G.	AHS 68 <sup>th</sup> Annual Forum and Technology Display	proceedings	American Helicopter Society	Fort Worth (USA)	May-12	pp. 2306-2318	ISBN: 9781622760510	
CLEAN SKY	GRC			78	Assessment of the engine Installation performance of a redesigned tiltrotor intake/exhaust system	Mistè, G. A., Nibale T., Garavello A., Benini E.	AHS 68 <sup>th</sup> Annual Forum and Technology Display	proceedings	American Helicopter Society	Fort Worth (USA)	May-12	pp. 1-9	SKU # : 68-2012-000045	
CLEAN SKY	GRC			79	Numerical Assessment of Pneumatic Devices on the Wing/Fuselage Junction of a Tiltrotor	N.Simioni, R.Ponza, E.Benini	AIAA Journal	vol. 50, no. 3, quarterly	American Institute of Aeronautics and Astronautics Inc. (AIAA)	N/A	Jul-15	752-763	<a href="http://dx.doi.org/10.2514/1.C031911">http://dx.doi.org/10.2514/1.C031911</a>	no

CLEAN SKY	GRC			80	Multi-Objective Aerodynamic Design of Tilt-Rotor Airframe Components by means of Genetic Algorithms and CFD	A. Garavello, R. Ponza, E. Benini	AHS 68 <sup>th</sup> Annual Forum and Technology Display	proceedings	American Helicopter Society	Fort Worth (USA)	May-12	pp. 16	SKU # : 68-2012-000082	no		
CLEAN SKY	GRC			81	Air Suction and Blowing as Effective Means to Increase Aerodynamic Efficiency of a Tiltrotor Wing-Fuselage Junction	R. Ponza, N.Simioni, E. Benini	Proceedings of the World Congress on Engineering and Computer Science 2012	Vol. II	International Association of Engineers	San Francisco (USA)	Oct-12	pp. 1-6	ISBN: 9789881925244	no		WCECS 2012
CLEAN SKY	GRC			82	Assessment of Morphing Wings on the horizontal stabilizer of a Tiltrotor	N.Simioni, R.Ponza, E. Benini	AHS 69 <sup>th</sup> Annual Forum and Technology Display	proceedings	American Helicopter Society	Phoenix (USA)	Jul-05	pp. 1-11	SKU # : 69-2013-062	no		
CLEAN SKY	GRC			83	Aerodynamic Optimisation of the AW101 Heavy Helicopter Engine Installation by means of a Multi-objective Approach	A. Garavello, M. Russo, C. Comis, E. Benini, R.Ponza, A.Ramage	38th European Rotorcraft Forum	Vol. 1	Proceedings.com	Amsterdam (The Netherlands)	Sep-11	N/A	ISBN: 9781627480611	no		
CLEAN SKY	GRC			84	Aerodynamic Shape Optimization of Air-Intakes of a Helicopter Turboshaft	A. Garavello, M.Russo, C. Comis, R.Ponza, E. Benini	ASME 2012 Gas Turbine India Conference	Paper No. GTINDIA2012-9506	ASME 2012	Mumbai (India)	Sep-12	pp. 1-12	doi:10.1115/GTINDIA2012-9506	no		
CLEAN SKY	GRC			85	Performance Optimization Of A Heavy Class Helicopter Engine Installation Using Genetic Algorithms coupled with numerical simulations	A. Fabbris, M. Russo, A. Garavello, R. Ponza, E. Benini	AHS 69 <sup>th</sup> Annual Forum and Technology Display	proceedings	American Helicopter Society	Phoenix (USA)	May-13	pp. 1-9	SKU # : 69-2013-169	no		
CLEAN SKY	GRC			86	Multiobjective and Multipoint optimization of a heavy class helicopter engine installation using Evolutionary algorithms	A.Fabbris, A. Garavello, M. Russo, R. Ponza, E. Benini	VI International Conference on Adaptive Modeling and Simulation ADMOS 2013	proceedings	IACM	Lisbon (Portugal)	Jul-13	pp. 1-14	ISBN: 9788494100482	no		
CLEAN SKY	GRC			87	Numerical vs. experimental assessment of optimization effects on aerodynamic performance of ERICA tiltrotor fuselage	E. Benini, R.Ponza, D. Steilling	41st European Rotorcraft Forum 2015	Vol. 1	Proceedings.com	Munich (Germany)	Jul-15	pp. 523-530	ISBN:9781510819832	no		
CLEAN SKY	GRC			88	Tiltrotor airframe flow field characterization by SPIV	F. De Gregorio, G. Fatigati, S. Kallweit	11TH INTERNATIONAL SYMPOSIUM ON PARTICLE IMAGE VELOCIMETRY – PIV15			Santa Barbara (USA)	Sep-15	pp. 1-15		yes		

CLEAN SKY	GRC			89	ERICA tiltrotor airframe wake characterization	F.De Gregorio, D.Steiling , E. Benini, R.Ponza	41st European Rotorcraft Forum 2015	Vol. 1	Proceedings.com	Munich (Germany)	Jul-15	pp. 227-237	ISBN:9781510819832	no
CLEAN SKY	GRC			90	Rotor State Feedback in Rotorcraft Attitude Control	S. Panza, M. Lovera, M. Bergamasco, L. Vigano	41st European Rotorcraft Forum 2015	Vol. 1	Proceedings.com	Munich (Germany)	Jul-15	pp. 1024-1037	ISBN:9781510819832	no
CLEAN SKY	GRC			91	CFD ANALYSIS OF OPTIMISED CONFIGURATION OF A TILTROTOR AT FULL SCALE CONDITIONS INCLUDING ROTOR EFFECTS	Marco Pellegrini	Master Thesis	thesis	University of Padova	Padova (Italy)	Jul-11	pp. 1-147		
CLEAN SKY	GRC			92	Parametric Analysis on the Performance of a Tiltrotor Engine Intake considering High Angle of Attack	Giovanni Surace	Master Thesis	thesis	University of Padova	Padova (Italy)	Oct-11	pp.		
CLEAN SKY	GRC			93	Assessment of alternative devices for drag reduction of wing/fuselage junction in a tiltrotor	Nicola Simioni	Master Thesis	thesis	University of Padova	Padova (Italy)	Oct-11	pp.		
CLEAN SKY	GRC			94	Aerodynamic Shape Optimization in Aeronautics: A Fast and Effective Multi-Objective Approach	C. Comis da Ronca, E. Benini, R.Ponza	Archives of Computational Methods in Engineering	Book, Volume 21, Issue 3	Springer	Padova (Italy)	Sep-14	pp 189–271	<a href="https://doi.org/10.1007/s118310149123y">https://doi.org/10.1007/s118310149123y</a>	
CLEAN SKY	GRC			95	CFD SIMULATION OF THE ERICA TILTROTOR WIND TUNNEL MODEL	Alberto De Munari	Master Thesis	thesis	University of Padova	Padova (Italy)	Jul-14	pp. 107		
CLEAN SKY	GRC			96	Kinetic modelling of extinction and autoignition of condensed hydrocarbon fuels in non-premixed flows with comparison to experiment	Roberto Granaa, Kalyanasundaram Seshadri, Alberto Cuoci, Ulrich Niemann, Tiziano Faravelli, Eliseo Ranzi	Combustion and Flame	Volume 159, Issue 1	ELSEVIER		Jan-12	130-141	<a href="http://dx.doi.org/10.1016/j.combustflame.2011.06.019">http://dx.doi.org/10.1016/j.combustflame.2011.06.019</a>	
CLEAN SKY	GRC			97	Hierarchical and comparative kinetic modeling of laminar flame speeds of hydrocarbon and oxygenated fuels	E. Ranzi, A. Frassoldati, R. Grana, A. Cuoci, T. Faravelli, A.P. Kelley, C.K. Law	Progress in Energy and Combustion Science	Volume 38, Issue 4	ELSEVIER		Aug-12	468–501	<a href="http://dx.doi.org/10.1016/j.pecs.2012.03.004">http://dx.doi.org/10.1016/j.pecs.2012.03.004</a>	

CLEAN SKY	GRC			98	Detailed Multi-dimensional Study of Pollutant Formation in a Methane Diffusion Flame	Rory F. D. Monaghan, Råbi Tahir, Alberto Cuoci, Gilles Bourque, Marc Furi, Robert L. Gordon, Tiziano Faravelli, Alessio Frassoldati, Henry J. Curran	Energy and Fuels	Volume 26, issue 4	American Chemical Society		Apr-12	2546–2546	10.1021/ef300515q	
CLEAN SKY	GRC			99	Numerical Modeling of NOx Formation in Turbulent Flames Using a Kinetic Post-processing Technique	A. Cuoci, A. Frassoldati, A. Stagni, T. Faravelli, E. Ranzi, G. Buzzi-Ferraris	Energy and Fuels	Volume 27, issue 2	American Chemical Society		Dec-12	1104–1122	10.1021/ef3016987	
CLEAN SKY	GRC			100	A fully coupled, parallel approach for the post-processing of CFD data through reactor network analysis	A. Stagni, A. Cuoci, A. Frassoldati, T. Faravelli, E. Ranzi	Computers & Chemical Engineering	Volume 60, Issue 10 J	ScienceDirect		Jan-14	197–212	<a href="http://dx.doi.org/10.1016/j.compchemeng.2013.09.002">http://dx.doi.org/10.1016/j.compchemeng.2013.09.002</a>	