

CARIC OPENED PROJECT LOOKING FOR PARTNERS

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Project Number	Project-Title EN	TRL initial	TRL final	Leader - Org	Leader Name	Leader Given Name	e-mail
AUT-701	Curved Active Shutter Glasses	4		CAE	Gilbert	Patricia	patricia.gilbert@cae.com
AUT-711_TRL4+	Seaplane Hydro Ski	4	6	Geosphair	Ayotte	Olivier	olivier_ayotte@yahoo.com
AUT-712	Amphibious Optionally Piloted Aircraft	2	4	Geosphair	Ayotte	Olivier	olivier_ayotte@yahoo.com
AUT-713_TRL4+	Airborne EM Bathymetric system	4	6	Geosphair	Ayotte	Olivier	olivier_ayotte@yahoo.com
AUT-714_TRL4+	Seaplane Bathy Optimisation	4	6	Geosphair	Ayotte	Olivier	olivier_ayotte@yahoo.com
AUT-715	Autonomous surface vehicle	2	4	Geosphair	Ayotte	Olivier	olivier_ayotte@yahoo.com
AUT-716	Lip Wing	1		Aliptera	Dusan	Stan	dusan@aliptera.com
AVIO-702_TRL4+	Flight Controls	4	6	CAE	Gilbert	Patricia	patricia.gilbert@cae.com
AVIO-704	Fly-over-the-air FMS for Next Generation UAV	3	7	Marinvent Corporation	Vandevivere	Maxence	maxence@marinvent.com
AVIO-705_INTL	An Integrated Self-Powered Transducer Interface for Harsh Environments	3	4	École Polytechnique de Montréal	Sawan	Mohamad	mohamad.sawan@polymtl.ca
AVIO-706_INTL	An Inductively Linked Sensor Interface for High Temperature Applications	3	4	École Polytechnique de Montréal	Savaria	Yvon	Yvon.savaria@polymtl.ca
AVIO-708	Jumping to enable takeoff of small UAVs	1	4	Université de Sherbrooke	Lussier Desbiens	Alexis	alexis.lussier.desbiens@usherbrooke.ca
AVIO-709	UAV perching and manoeuvring on vertical and sloped surfaces	1	4	Université de Sherbrooke	Lussier Desbiens	Alexis	alexis.lussier.desbiens@usherbrooke.ca
AVIO-710	Avionics SOC	2	4	Thales Canada Inc.	Louis	Xavier	xavier.louis@ca.thalesgroup.com
AVIO-711	Multi-sensors optimization	1	4	Thales Canada	Louis	Xavier	xavier.louis@ca.thalesgroup.com

				Inc.			
AVIO-713_INTL	ARINC429/717 data bus to Electronic Flight Bag (EFB) "adapter"	4	9	IDS NA	Santamaria	Chiara	c.santamaria@idscorporation.com
AVIO-717	77 GHz Wing Tip Radar for on Ground Collision Avoidance	3	6	uWindsor	Schmidt	Horst	hschmidt@uwindsor.ca
COMP-702	Assessment of LaserUT as a rapid scanning tool for composite repair	3	4	Red River College	Doern	Fred	fdoern@rrc.ca
COMP-704_INTL	Development and testing of light weight ballistic composite material for aeronautical applications	3	6	IDS NA	Santamaria	Chiara	c.santamaria@idscorporation.com
COMP-711	Composite Geodetically Stiffened Fuselage -CGSF- Monocoque Structure	2	3	TAG	Hurworth	Mike	mhurworth@tagaerospace.com
DPHM-706	Development and testing of impact- resistant aerospace structures	2	6	HIT Dynamics Ltd	McSporran	Duncan	dmcsporran@capewrath.ca
DPHM-707	Lighter impact-resistant and refractory materials for jet engines	2	6	HIT Dynamics Ltd	McSporran	Duncan	dmcsporran@capewrath.ca
DPHM-708	Bond Diagnostic Technology for Aerospace CFRP Assemblies	2	4	BA	Landry	Alain	alain.landry@aero.bombardier.com
DPHM-709	Robotized Laser Ultrasonic Inspection Technology for Aerospace CFRP	4	6	BA	Landry	Alain	alain.landry@aero.bombardier.com
DPHM-711	Electro Spark Deposition : Repair of Aluminum Alloys	3	5	StandardAero	Roberge	Doug	doug.roberge@standardaero.com
DPHM-712	Cold Metal Transfer (CMT) for Structural Repair of Al & Mg Alloys	4	6	StandardAero	Roberge	Doug	doug.roberge@standardaero.com
DPHM-713	Rapid Automated Visual Inspection of Aerospace Components	4	6	StandardAero	Ilott	Jordan	jordan.ilott@standardaero.com
DPHM-714	Fatigue and Ratcheting response of materials under			Ryerson	Varvani	Ahmad	avarvani@ryerson.ca

	stress cycles						
ENV-705_TRL4+	Sonar Signature Preview Tool	4	6	CAE	Fortin	Martin	Martin.Fortin@cae.com
ENV-706	Evaluation of the impacts of implementing alternative fuels in the aviation industry as a greenhouse gas emission reduction strategy	3	5	Bombardier Aéronautique	Genevieve	Pascal	pascal.genevieve@aero.bombardier.com
ENV-717	Acoustic Floor Panels	2	5	Comtek	Honickman	Hart	hhonickman@comtekadvanced.com
ENV-721	Air Transport of Fuel Gases	3	5	LTA	Kapitan	Loginn	loginn.kapitan@lta-aerostructures.ca
INTD-704	Optimized Fuselage for Acoustics	4	6	Bombardier Aéronautique	Landry	Alain	alain.landry@aero.bombardier.com
INTD-705	Heated Floorboards	2	6	Bombardier Aéronautique	HACK	JONATHAN	Jonathan.Hack@aero.bombardier.com
LEAN-701	Improving your supplier development activities	2	4	HEC Montreal	Rebolledo	Claudia	claudia.rebolledo@hec.ca
MANU-702	Characterization of 3rd Generation Al-Li Materials for Aircraft Structures	2	4	Bombardier Aéronautique	Wanjara	Mona	mona.wanjara@aero.bombardier.com
MANU-708	Structural Coatings Characterization and Inspection	2	4	Pratt & Whitney Canada	Macchia	Enzo	Enzo.Macchia@pwc.ca
MANU-712	Modeling and Simulation of Laser Metal Additive Manufacturing (AM)	3	4	U. Waterloo	Toyserkani	Ehsan	ehsan.toyserkani@uwaterloo.ca
MANU-713	Sensing/Monitoring and Real-time Control of Laser Metal Additive Manufacturing (AM)	3	4	U. Waterloo	Toyserkani	Ehsan	ehsan.toyserkani@uwaterloo.ca
MANU-715_TRL4+	Development of Mg Alloy EV31	4	5	Magellan	THAMBURAJ	Raj	Raj.Thamburaj@magellan.aero
MANU-716_TRL4+	Advanced methods for weld repair of light cast alloys	4	5	Magellan	THAMBURAJ	Raj	Raj.Thamburaj@magellan.aero
MANU-717_INTL	Friction Stir Welding Processes	2	6	EADS SOGERMA	FRANCHE	François	francois.franche@sogerma.net
MDO-701	Seamless Integrated Cabin Connectivity	2	4	Bombardier Aéronautique	HACK	JONATHAN	Jonathan.Hack@aero.bombardier.com
MDO-702	CHIMES: Certification with Human Interaction Models	1	3	CAE	Gilbert	Patricia	patricia.gilbert@cae.com

	for Embedded Systems						
MDO-705	ILC-MAN: Intelligent Life Cycle Manufacturing	1	4	Université McGill	Kokkolaras	Michael	michael.kokkolaras@mcgill.ca
MDO-711	Better software verification	1	4	Carleton	Labiche	Yvan	labiche@sce.carleton.ca
MDO-712	Big Data Paradigms for Integrated Aerospace Vehicle Health Management	2	4	Ryerson University	Guergachi	Aziz	a2guerga@ryerson.ca
MDO-713	Experimental Study of Engineering Turbulent Flows	2	4	Manitoba	Tachie	Mark F.	tachiemf@cc.umanitoba.ca
OPR-701	COTS sensors for learning progress assessment	2	3	CAE	Gilbert	Patricia	patricia.gilbert@cae.com
OPR-702_INTL	ERGONOVIR: Ergonomic analysis of work situations in virtual and mixed reality	4	6	Pratt & Whitney Canada	Salako	Florent	Florent.Salako@pwc.ca
OPR-706	Measuring and managing pilot fatigue associated with the aerial fire fighting environment	2	4	Conair Group Inc	Berry	Jeff	jberry@conair.ca
PLE-P-701	Modular Design System	2	4	Thales Canada Inc.	Louis	Xavier	xavier.louis@ca.thalesgroup.com
PLE-P-705_TRL4+	Small aircraft Winglet	3	6	TAG	Bartoli	Adriana	abartoli@tagaerospace.com