



GAMA

GENERAL AVIATION MANUFACTURERS ASSOCIATION



ELECTRIC PROPULSION INNOVATION COMMITTEE

- COMMITTEE CHAIR: KIRK HAWKINS, CEO & FOUNDER, ICON
- GAMA STAFF: GREG BOWLES
- MEMBERSHIP: COMMITTEE MEMBERS SHOULD BE KNOWLEDGE IN HYBRID/ELECTRIC AIRCRAFT TECHNOLOGY, CERTIFICATION, PRODUCTION AND/OR OPERATIONAL REQUIREMENTS.
- OVERVIEW: CREATING AN ENVIRONMENT CONDUCIVE TO EFFICIENT DESIGN, PRODUCTION, OPERATION AND MAINTENANCE FOR ELECTRIC PROPULSION AMONG THE REGULATORS OF KEY GLOBAL MARKETS. THIS COMMITTEE WILL ALSO MAINTAIN RELATIONSHIPS WITH KEY RESEARCH ENTITIES IN ORDER TO FACILITATE THE RAPID INDUSTRIALIZATION OF ENABLING TECHNOLOGIES.
- SCOPE: THIS COMMITTEE WILL CONSIDER LIKELY DEVELOPMENTS IN HYBRID/ELECTRIC PROPULSION TECHNOLOGIES AND THE INCREASED ELECTRIFICATION OF SYSTEMS OVER THE NEAR (1-4 YEARS) AND MEDIUM TERM (5-10 YEARS).
- MEETINGS: GLOBALLY, AS NEEDED
- CONTACT: GBOWLES@GAMA.AERO, + 32 2 550 3900



GAMA'S CHARTER ASSOCIATE MEMBERS



AERO ELECTRIC AIRCRAFT CORPORATION



AIRBUS GROUP, E-FAN



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY



ICON AIRCRAFT



JOBY AVIATION

SIEMENS

SIEMENS AG



TERRAFUGIA INC.



ZEE AERO



KEY TOPICS BEING DISCUSSED

- **RESEARCH NEEDS:** BATTERIES, CONDUCTORS, POWER CONVERTERS & MANAGEMENT, HYBRID SOLUTIONS, MOTORS, FANS, CONTROL SOLUTIONS, ANTI-ICING, AERODYNAMICS, ETC.
- **DESIGN REQUIREMENTS:** ENERGY SOURCE SAFETY, FIRE ZONES, ELECTRIC MOTOR MOUNTING, FAN INSTALLATIONS, AUTONOMOUS CONTROL, INFORMATION DISPLAY & FEEDBACK, RELIABILITY, FAILURE MODES, CRASHWORTHINESS & RISKS, ETC.
- **MAINTENANCE DEMANDS:** BATTERY, MOTOR, FAN, WIRING, CONTROL SYSTEMS, HIGH VOLTAGE/ENERGY SYSTEMS & COMPONENTS HANDLING, ETC.
- **OPERATIONAL ISSUES:** NUMBER OF ENGINES RATINGS & TRAINING, OPERATOR CERTIFICATE, LOW ALTITUDE OPERATIONS CLOSER TO OFF AIRPORT POPULATION, POWER RESERVES, SLOW OPERATIONS IN CLASS A AIRSPACE, ETC.

MEETING SCHEDULE

Date	Venue	Mtg. #
9.FEB.16	GAMA – Washington, DC	16-1
19.APR.16	Aero – Friedrichshafen, Germany	16-2
FALL.16	TBD	16-3

