



...STEM in Flight!

Teacher Professional Development Aviation/Aerospace Education!



Presented by the MDOT General Aviation Committee and the Square One Education Network

Saturday, October 18^h, 2014

830 am – 400 pm

Michigan Aeronautics Commission Building
Capitol City Airport, Lansing, Michigan

Fee: \$25

Confirmed Presenters/Organizations/Speakers (as of October 13, 2014)

Amy Kienast, National Director of Business Relations at MIAT College of Technology

Tera Fricke, Pilot-Education Outreach - MDOT Office of Aeronautics

Karl Klimek, Square One Education Network

Western Michigan University, College of Aviation

USAF Auxiliary Civil Air Patrol

Michigan Institute of Aviation Technology

Square One Education Network

Grand Air Aviation

EAA Chapter 55 Young Eagles, Mason, Michigan

EAA Chapter 13, Ray Township

Enstrom Helicopters

Michigan Aerospace Corporation

Michigan Aeronautics Commission

Stockbridge High School ROV and Quad-copter team

Michigan Aerospace Corporation

Aircraft Owners and Pilot's Association

Michigan International Aircraft Assoc.

QoE Consulting

FAA Tower Tours

Flights for Teachers...Yes...Actual Flights!*

Aircraft: Cirrus, L-39 Jet, C310 Meridian, King Air, Piper Saratoga,

R44 Helicopter, C172 Skyhawk...and more!

**Weather Permitting*



WESTERN MICHIGAN UNIVERSITY
College of Aviation

Sponsors:



Register at: <http://www.squareonenetwork.org/professional-development>

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Agenda/Offerings

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9:00-10:45

Pete Kamarainen, Chairman, Michigan Aeronautics Commission and Grand Air Aviation
Karl Klimek, Square One Education Network, General Aviation Committee
Amy Kienast, National Director of Business Relations at MIAT College of Technology
Tera Fricke, Pilot-Education Outreach - MDOT Office of Aeronautics
Indoor Flying Demonstration! – Michigan Indoor Flying Association

Auditorium Classroom 1 Board Room Classroom 2 Hangar Lobby

11:00-11:40	Stockbridge High School Quad Copters in the Classroom	MIAT College of Technology	Airport Science: More than Pilots Casey Ries	Civil Air Patrol Programs for Schools	Airplane Pre-flight Walk around <i>GA Committee</i>	11 am Tower Tour 1 Flight 1
11:50-12:30	Stockbridge High School Quad Copters in the Classroom	Kent ISD Designing PD for your school	Directories & Charts in the Classroom... MDOT-Tera Fricke	Civil Air Patrol Programs for Schools	Chris Ulch Building a New Ship Enstrom Helicopters	
12:30-1:10	Lunch	----->				
1:10-1:50	Michigan International Aircraft Assoc. Model Aviation Michigan Aerospace	Kent ISD Designing PD for your school	Directories & Charts in the Classroom... MDOT-Tera Fricke	Drone Tech and Agriscience Countryside Academy	Justin Salzman STEM + Industry + Jobs Enstrom Helicopters	1 pm Tower Tour 2 Flight 2
2:00-2:40	Michigan International Aircraft Assoc. Model Aviation Michigan Aerospace	EAA Chapter 55 Young Eagles	Dennis Glaeser EAA 13 Ray Twp	Drone Tech and Agriscience Countryside Academy	Wings, Balloons and Brothers...Rex Phelps	2 pm Tower Tour 3 Flight 3
2:50-3:30	WMU College of Aviation	EAA Chapter 55 Young Eagles	Dennis Glaeser EAA 13 Ray Twp	Wings Around the World Tim Fino <i>(Tentative)</i>	Wings, Balloons and Brothers...Rex Phelps	3 pm Tower Tour 4 Flight 4 (if needed)
3:40-4:00	<i>Distribution of GLIAC Vouchers!</i>	----->				

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A Great Line-Up of Kick-off Speakers Professional Development for K-12 Teachers

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As a business relations professional, **Amy Kienast** networks with employers across the U.S. in the aviation, energy, and transportation industries to connect hiring managers to qualified candidates. She is a board member of ATEC (Aviation Technician Education Council) a member of Women in Aviation International (Past President of SE Michigan Chapter), on the Board of Michigan Career Development Association (serving as Technical School Liaison/Newsletter Editor), member of SHRM and on the planning committee for the Great Lakes Aviation Conference. Amy is a part-time guest instructor for Schoolcraft Community College online aviation management program and guest speaking at Eastern Michigan University regarding aviation careers.

Tera Fricke is a pilot for the Michigan Department of Transportation Office of Aeronautics. In addition to her duties as a pilot she is also involved in the Outreach Education and Safety program. Tera has been with MDOT for 4 ½ years. Before starting her job with MDOT, she worked as a certified flight instructor. Tera lives in Portland, Michigan with her husband and one-year-old daughter.



A long-time STEM educator in Michigan, **Karl Klimek** brings high enthusiasm and a wealth of experience to every project with which he is involved. As Executive Director of the Square One Education Network, he has the honor of working with K-12 schools throughout the state and region. An avid pilot and aircraft owner, he will set the stage for the day by connecting many educational “dots” that reflect the educational value of bringing aviation/aerospace projects into classrooms.

Sponsors



WESTERN MICHIGAN UNIVERSITY
College of Aviation



- Breakout sessions offered by:**
- Western Michigan University, College of Aviation
 - USAF Auxiliary – Civil Air Patrol
 - Michigan Institute of Aviation Technology
 - Square One Education Network
 - Grand Air Aviation
 - Enstrom Helicopters
 - EAA Chapter 55 Young Eagles, Mason, Michigan
 - EAA Chapter 13, Ray Township
 - Michigan Aerospace Corporation
 - Michigan Aeronautics Commission
 - Stockbridge High School ROV and Quad-copter team
 - Aircraft Owners and Pilot’s Association
 - Aircraft Modelers Association
 - FAA Tower Tours

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Door Prizes/Giveaways