

June 3, 2016

# UAVs [Unmanned Aerial Vehicles] FOR EMERGENCY RESPONDERS

**University of Cincinnati**

**Fire Science & Emergency Management / UC Aerospace Engineering**

Aug. 10, 2016: FREE SEMINAR

- See FLYER – next Page

**If you wish to attend the seminar, send an e-mail to me – including your Job Title, Name of Employer, and Cell Phone.**

Larry Bennett  
Program Chair  
Fire Science & Emergency Management  
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Cell 513-470-2744  
UC Fire Science program:  
<http://ceas.uc.edu/aerospace/FireScience.html>

- New COURSE – Summer, 2017  
(1-week residency; 20 FST 3055)

6/3/2016

## UAVs FOR EMER. RESPONDERS– Aug. 10, 2016

FREE SEMINAR - UC Fire Science / UC Aerospace

Reservations: send e-mail to: [Lawrence.bennett@uc.edu](mailto:Lawrence.bennett@uc.edu) (Cell 513-470-2744)

Location: Science 420, 2220 Victory Parkway, Cincinnati, OH 45206-2837

Speaker bios: <http://ceas.uc.edu/content/dam/aero/docs/fire/UAVs.pdf>

- 9 am: Larry Bennett, Program Chair, UC Fire Science - WELCOME
- 9:05 – 10 am: Prof. Kelly Cohen – UC AEROSPACE - UAV OPPORTUNITIES / CHALLENGES
- 10 am – 10:30 am: Dudley Smith – UAVs & AIR CARE HELICOPTERS AT DISASTER SCENES
- 10:30 am – 11 am: Darren Price – UAV SYSTEMS FOR EMERGENCY MANAGEMENT
- 11 am – 11:30 am: Jeff Childers – THE PROCESS TO OBTAIN FAA 333 EXEMPTION
- 11:30 am – 12 noon: BJ Jetter / Cindy Striley – GREATER CINCINNATI HAZMAT TEAM
- 12:00 Noon – 12:30 PM: TOUR OF COMMAND 400 VEHICLE (official request submitted)



12:30 pm – 1:30 pm: **UAV DEMO FLIGHTS** - AEROSPACE FLIGHT LAB - Bryan Brown & Grad Students (WORKING LUNCH - will take your orders for LaRosa's Pizza)

**BREAKOUT SESSION I:** 1:30 pm – 2:00 pm

- LAW ENFORCEMENT USE OF UAVs- James "Doug" Daniels / Jim Lawson, UAS Center, Ohio DOT
- FIRE & EMS INCIDENT COMMANDERS - Randy Hanifen/ Kevin Hardwick / Tom Lakamp
- LEGAL ISSUES WITH UAVs – Larry Bennett, Esq. / Kerry Bute, Esq.

**BREAKOUT SESSION II:** 2:00 pm – 2:30 pm

- LAW ENFORCEMENT USE OF UAVs- James "Doug" Daniels / Jim Lawson, UAS Center, Ohio DOT
- FIRE & EMS INCIDENT COMMANDERS - Randy Hanifen/ Kevin Hardwick / Tom Lakamp
- LEGAL ISSUES WITH UAVs – Larry Bennett, Esq. / Kerry Bute, Esq.

**SESSION III: ALL TOGETHER:** 2:30 pm – 3:00 pm: FEEDBACK / TOPICS FOR NEW COURSE

**During the FREE SEMINAR on Aug. 10, 2016, you will observe a variety of UAVs flying inside UC Aerospace's flight center, and we will seek your input on subjects to cover in the new course.**

**UC has approved our new 3-credit course, UAVs FOR EMERGENCY RESPONDERS, 20 FST 3055, which we offer for the first time as a 1-week residency, Summer Semester, 2017. UC Fire Science & UC Aerospace profs. are "teamed up."**

**In preparation for the new course, we have identified our Course Profs and have formed a Course Advisory Committee (click UC Fire Science Program web page for updates): <http://aerospace.ceas.uc.edu/FireScience>.**

- **See article about our course:**  
<http://www.emsworld.com/article/12169248/university-of-cincinnati-to-open-drone-flight-school-for-emergency-responders>
- **FAA issued UC certificate of authorization (COA), Oct. 2015:**  
<http://www.uc.edu/news/NR.aspx?id=21421>

#### UC COURSE PROFS

- **Lawrence T. Bennett, Esq.** - Assoc. Prof., Program Chair, Fire Science & Emergency Management; [Lawrence.bennett@uc.edu](mailto:Lawrence.bennett@uc.edu)  
Cell 513-470-2744  
Bio: <http://ceas.uc.edu/content/dam/aero/docs/fire/Bennett%20resume.pdf>
- **Bryan Brown, MS** - UC Aerospace  
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- **Kelly Cohen, PhD** – Professor of Aerospace Engineering & Engineering Mechanics  
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\*April, 2016 - Received UC Award For Excellence In Teaching:  
[http://magazine.uc.edu/editors\\_picks/recent\\_features/faculty\\_awards\\_2016.html](http://magazine.uc.edu/editors_picks/recent_features/faculty_awards_2016.html)

- **Manish Kumar, PhD** – Assoc. Prof., Mech Eng & Materials Eng;  
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## UC COURSE ADVISORY COMMITTEE

- **Kerry A. Bute, Esq.** – Chair, Space & Aviation Law Committee, Cincinnati Bar Association; Montgomery, Rennie, Jonson law firm  
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- **Jeff Childers** - Lieutenant, Miami Township Fire & EMS  
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\*May, 2016 – he applied for FAA Section 333 Exemption.
- **James “Doug” Daniels**  
Senior Law Enforcement Training Officer – Ohio Peace Officer Training Academy  
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- **David Feil-Seifer, PhD**  
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- **David Geis** – Command 400 / Ret. Hamilton County Communications Center  
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- **Randy Hanifen, PhD** – Lt. West Chester Township; Ohio Task Force One; UC Fire Science Adjunct  
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- **Kevin Hardwick** – Fire Chief, Glendale FD; VP – Hamilton County Fire Chiefs Association  
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- **William “BJ” Jetter, PhD** – Fire Chief, Monroe Township FD; Greater Cincinnati Hazardous Materials Unit; Adjunct Prof., UC Fire Science & Emergency Management  
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- **Tom Lakamp** – Assistant Chief, Cincinnati FD; Adjunct Prof., UC Fire Science & Emergency Management;  
[tlakamp@fuse.net](mailto:tlakamp@fuse.net)  
 Cell 513-266-3267  
 \*April, 2016 – promoted to Assistant Fire Chief: <http://www.cincinnati-oh.gov/cityofcincinnati/news/city-appoints-2-new-assistant-fire-chiefs/>
- **Keith Murray** – Fire Coordinator, Pinellas County EMS and Fire Administration, FL;  
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- **Darren E Price** – Regional Operations Supervisor, Ohio Emergency Management Agency  
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 \*March, 2016 – Graduate of Naval Postgraduate School, Masters of Arts in Security Studies; author of thesis, “Unmanned Aircraft Systems for Emergency Management: A Guide for Policy Makers and Practitioners,” <https://www.hsdl.org/?view&did=792307>  
 YouTube interview on thesis: <https://www.youtube.com/watch?v=ZEpf9DfLeeA>
- **Dudley Smith** - Associate Executive Director, Commission on Accreditation of Medical Transport Systems  
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- **Cindy Striley** - Research Chemist at NIOSH; Captain - Scientist / Officer, US Public Health Service; Greater Cincinnati Hazardous Materials Unit  
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- **Westly Spradlin** – Columbus FD – In Charge of Heavy Rescue 4 (2 unit), HAZMAT Tech  
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