

DEAN'S SIGNIFICANT ACTIVITIES REPORT
30 NOV 2018

DEPARTMENT: Chemistry & Life Science

POC Name: MAJ Jeremy Hershfield

POC Email: jeremy.hershfield@usma.edu

DATE: 28 Nov 18

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. 10 – 11 DEC: Military Chemistry (MILCHEM) enrichment for CH101/151 students, supported with visiting scientists and engineers from various Army research labs and arsenals. MILCHEM focuses on how chemistry concepts studied over the semester impact research and development that support the Warfighter.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. 16 NOV: For the annual Microbiology Symposium, CLS hosted four guest speakers who each braved the snow traveling from the Washington, D.C. area: LTC Kurt Schaefer (Walter Reed Army Institute of Research), Dr. Aarthi Naranayan (George Mason University), and Drs. Brian Schaefer and Stephen Davies (Uniformed Services University). Microbiology students and other interested Cadets spent the morning in Kendrick Auditorium listening to talks about blood fluke parasites, rabies virus, alphaviruses, and Ebolavirus. Afterwards, the guest speakers concluded their time at West Point by discussing research, West Point, and the Army during lunch with Cadets and faculty in the mess hall.
2. 19 NOV: LTC Kit Parker, a full professor at Harvard's School of Engineering and Applied Sciences where he runs the Disease Biophysics Group (<http://diseasebiophysics.seas.harvard.edu/>), joined CLS faculty as an Individual Mobilization Augmentee (IMA). As a research scientist, LTC Parker has led his group to achieve extraordinary accomplishments in the areas of mechanotransduction, tissue engineering, brain injury, nanotextiles, and microdevices. Over the last few years, he has also hosted numerous pre-medical and CLS Cadets in his Harvard lab and collaborator lab in Korea; he previously served as an IMA officer in USMA's Department of Mathematical Sciences.
3. COL John Burpo and Dr. Enoch Nagelli published "Salt-templated platinum-palladium porous macrobeam synthesis" in MRS Communications with Cadet Anchor Losch, and ARL and Benet Labs collaborators Stephen Bartolucci, Joshua McClure, David Baker, and Deryn Chu. Excerpted from the article's abstract: "Here we present the synthesis of porous platinum-palladium macrobeams templated from high aspect ratio Magnus' salt needle derivatives.....These salt-templated porous platinum-palladium macrobeams offer a promising material for fuel cell catalysis." doi:10.1557/mrc.2018.217

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DEPARTMENT: Civil and Mechanical Engineering

POC Name: MAJ Samuel Greulich

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DATE: 29 November 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. Throughout the next month, all civil and mechanical engineering capstone teams will be conducting their Complete Design Reviews (CDRs) with their sponsors.
2. On 4 December CME will host a Brown Bag Seminar: LTC Brian Novoselich, Hacking for Defense: Learn how universities are using the Mission Model Canvas and a Lean Startup Mentality to help students solve DoD problems in a semester.
3. Members of the Civil Engineering Club are assisting with preparation for the BEAT NAVY bonfire rally on 6 December.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. Members of the joint CME/SE faculty ultimate Frisbee team successfully defeated DPE for the intramural championship on 29 November.
2. Conducted Thanksgiving and Thanksgiving Operations

DEPARTMENT: Department of Foreign Languages

POC Name: MAJ Frank Kessler

POC Email: franklin.kessler@usma.edu

DATE: November 28, 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. From 5-9 December, Mr. Chuan-sheng Chang and Mr. Chen-wei Huang will attend Fulbright mid-year training in Washington D.C. They will receive additional instruction from Fulbright, build relationships with fellow Fulbright fellows, and share their experiences after teaching for a semester at USMA.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. From 16-18 November, DFL's Spanish Section supported Mexico's Heroico Colegio Militar (HCM) visit which provides U.S. and Mexican future leaders an opportunity to compete in friendly sporting events. The events included Soccer and Sprint Football

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competitions. The U.S. delegation included General Terrence J. O'Shaughnessy, Commander, NORAD, US Northern Command, LTG Jeffrey Buchanan, Commander, US Army North and Fifth Army, and LTG Darryl A. Williams, Superintendent, USMA. The Mexican delegation included GEN Salvador Cienfuegos Zepeda, Secretary of National Defense and ADM Vidal Francisco Soberon Sanz, Secretary of the Navy.

2. From 13-16 November, COL Mark Gagnon traveled to the Helmut-Schmidt Universität in Hamburg, Germany, to visit Cadets studying as part of the Semester Exchange Program. He met with the staff of the international office, toured the university, and visited the U.S. Consulate with the Cadets.
3. Cadets Abigail Wingfield, Austin Morock, and Jacob Murdock traveled to Wroclaw, Poland, to attend the Polish Military Ball at the Tadeusz Kościuszko Land Forces Military Academy. Cadets Jason Brodeur and Ethan Bluhm, studying at the Theresian Military Academy in Austria, attended the Marine Corps Ball in Vienna the same weekend.
4. Dr. Diane Richardson led a workshop with Dr. Kristin Lange (Elon University) at the American Council on the Teaching of Foreign Languages 2018 Convention on "Grading as a Rewarding Part of Language Learning and Teaching." Workshop participants included approximately 45 language teachers from elementary, middle and high schools as well as universities from across the U.S.

DEPARTMENT: G&EnE

POC Name: CPT Charles Ouellette

POC Email: charles.ouellette@usma.edu

DATE: 29 November 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. On 26 November, LTC Ben Wallen and cadets enrolled in EV301 – Environmental Science for Scientists and Engineers will visit the Wheelabrator power plant in Westchester, NY to learn about waste-to-energy technologies.
2. On 3 December, incoming faculty member, MAJ(P) Elizabeth Weaver will be promoted to the rank of LTC in Washington Hall, Room 6004. POC is MAJ John Dzwonczyk.
3. From 0855-1130 on 11 December and 0730-0830 on 12 December, First Class cadets in the Geospatial Information Sciences major will exhibit their research in the Haig Room

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of Jefferson Hall. Projects are on the theme: Stories of Our Interaction with Earth. Point of Contact is CPT Anees Merzi at x3986.

4. From 1600-1800 on 12 December, cadets enrolled in EV396 – Environmental Biological Systems will present the beer they brewed during their Fermentation Lab for judging by GEnE Faculty and of-age members of the West Point Chapter of Engineers and Scientists for a Sustainable World in WH5300. Point of contact is MAJ Kyle Murray at x3124.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. On 19 November, Dr. Adam Kalkstein discussed his recent sabbatical to Israel, in Washington Hall, Room 6004. The talk was titled, “From Research to Rabbis: An Eventful Year of Cultural Immersion in Israel.”
2. On 27 November, MG (Ret.) Dean Sienko, Vice President of Health Operations for the Carter Foundation, delivered a guest lecture about his work to eradicate guinea worm in Africa, to cadets enrolled in EV450 – Environmental Engineering for Community Development.
3. On 29 November, Mr. Michael Reid, the Associate Project Manager for the Wildlife Studies Section, Bureau of Water Supply, NYC Department of Environmental Protection, delivered a guest lecture in EV310 – Aquatic Science, on source protection of New York City’s drinking water supply.

DEPARTMENT: History

POC Name: MAJ Ben Flores

POC Email: benjamin.flores@westpoint.edu

DATE: 29 November 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. SAT 1 DEC: HI398: Society and Culture in American History trip section to NYC
2. SAT 1 DEC – SUN 2 DEC: Saratoga Staff Ride
3. Amy-Navy Week: Various activities associated with the Army game uniform
4. TUE 11 DEC: Trivia Night at the Firstie Club

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

NSTR

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DEPARTMENT: Law

POC Name: CPT Rob Lawless

POC Email: robert.lawless@usma.edu

DATE: 29 November 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. 30 NOV-2 DEC. The West Point Mock Trial Team will travel to Fordham University in New York City to participate in an intercollegiate mock trial competition. This is the second of two fall competitions for the Mock Trial Team as it gears up for the official regional and national competitions in January and February 2019.
2. 3 DEC. U.S. Navy Captain Chris Fleming will be guest instructor in Professor LaKeysia Harvin's LW481 International Law class.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. 29-30 NOV. D/Law's fall 2018 Distinguished Visiting Lecturer, Mr. Francis Hoang, joined us to teach cadets in LW488 Business Law. Mr. Hoang also delivered a lecture to D/Law Staff and Faculty titled, "How Will Artificial Intelligence Shape the National Security Landscape."
2. 26-30 NOV. Internationally recognized Law of Armed Conflict expert Professor Gary Solis visited D/LAW as a guest instructor for law classes including Constitutional and Military Law, International Law, and Law of Armed Conflict.
3. 23 NOV. Oxford University Press released volume 1 in the Lieber Institute for Law and Land Warfare's Lieber Book Series. The title of the volume is Complex Battlespaces: The Law of Armed Conflict and the Dynamics of Modern Warfare. LTC Winston Williams of the Department of Law is one of the volume editors.

DEPARTMENT: Physics and Nuclear Engineering

POC Name: Kim M. Lee

POC Email: kim.lee@usma.edu

DATE: 28 November 2018

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. The Department of Physics and Nuclear Engineering and the Photonics Research Center were awarded a \$50,000 grant from the Joint Directed Energy Transition Office in support of high energy laser research and cadet education. Along with support from the Army

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Research Office and US Army Space and Missile Defense Command, the grant will support cadets and faculty conducting research on high energy laser propagation and target interaction. This grant will enable the cadets and faculty to present their work at the Directed Energy Professional Society Science and Technology Symposium in April.

2. Dr. Paula Fekete and Cadet Charles Anderson attended the American Association of Physics Teachers' regional meeting, 16 and 17 November, at Bergen Community College in Paramus, NJ. Cadet Anderson presented his research on micrometeorite identification and micrometeorite or comet dust capture planned for the next USMA's balloon satellite mission. Attendance allowed Cadet Anderson a chance to present his research to a knowledgeable and captivated audience. Talks, related to efforts aimed at improving the teaching of physics lectures and labs, were given by colleagues from several nearby universities.

DEPARTMENT: Systems Engineering

POC Name: CPT Clay Woody

POC Email: clay.woody@usma.edu

DATE: 30NOV18

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. The Society for Women Engineers conducts a "Lunch and Learn" event from 1145-1330 on 30NOV hosting Dr. Elizabeth Altman from BS&L as guest speaker. Dr. Altman will speak with the cadets about her STEM education, her professional experiences, and how she used those skills while in industry.
2. The Society for Women Engineers supports the Center for Leadership and Diversity in STEM by assisting in hosting a STEM workshop for students from the Public Prep Network of schools in New York City. The workshop, taking place on 1DEC from 0830-1530 in Thayer Hall, consists of two hands on STEM experiments, a tour of the academy, and a lunchtime discussion with representatives from the admissions department. The 35 students will explore topics such as programmable circuits and cybersecurity.
3. Dr. Greg Parnell will be giving a guest lecture in Arnold Auditorium to over 230 cadets that are taking SE300/301. Dr. Parnell will share real-world examples of where Value Focused Thinking was exercised (4DEC).
4. LTC Dave Hughes (SDS) and MAJ Pat Dubois (ORCEN) will be conducting a Design Thinking and Decision Analysis Seminar via VTC for 3rd Battalion, 75th Ranger

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Regiment leadership as they prepare for an upcoming deployment; the meeting will also establish a 'reach back' capability for the 3/75 staff to D/SE. The VTC will take place from 1430-1600 on the 30th of December.

5. Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.
6. CPT Newell, CPT Caddell, and MAJ Hoak led 40 cadets from the ASEM club to the Brookfield, CT Chick-fil-A on Wednesday 28 November 2018. The purpose of the trip section was to interface with three store owners and discuss building team and culture, supply chain and logistics, and backstage tour / hands-on activity (kitchen tour).
7. MAJ Lensing, Dr. McDonald, and CPT Herbert led the Engineering Economy Course which consists of 47 cadets to Melissa and Doug HQ. The trip section enabled cadets to witness real world application of engineering economy concepts.

DEPARTMENT: Social Sciences

POC Name: MAJ Elizabeth S Verardo

POC Email: elizabeth.verardo@usma.edu

DATE: 26 November 2018

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. CTC Yearling Lecture with Jen Easterly: 29 November
2. SS307 Lecture with AMB Michael McFaul: 6 December (co-hosted with MWI)
3. CEOs of Dollar General and Cracker Barrel Investment Club guest lecture: 11 December

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. Cadets in Dr. Richard Yon's SS373 American Presidency course traveled to Washington, D.C. from 4-6 November, where they had roundtable discussions with senior leaders within the Office of Secretary of Defense, the National Security Council staff, and the Vice President's staff, including his National Security Advisor LTG (ret.) Keith Kellogg. Additionally, cadets met with the President's military aide, LTC Rick Turner, the deputy assistant to the president for legislative affairs, Dan Greenwood, and White House Fellows. Cadets also received a tour by the White House Historian and got to meet both Vice President Mike Pence and Secretary of Defense James Mattis.

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2. CPT(P) Zach Watson and MAJ Brian Vaeni presented their research at the Northeast Political Science Association in Montreal, Canada from 10-11 November. Their paper, "The Counterintuitive Impact of Anti-Access, Area-Denial (A2AD) Technologies on the Security Dilemma," was featured as part of a panel session entitled "Global Security, the Security Dilemma, and Threats."
3. On 19 November, CTC faculty and 48 cadets enrolled in SS464: Homeland Security & Defense, SS465: Terrorism, and SS466: Combating Terrorism traveled to New York City to learn about the historical and current threat of terrorism. The group visited the 9/11 Memorial and toured the Museum, gaining insights into the profound and lasting impact of September 11th on the nation.

DEPARTMENT: WPWP

POC Name: Wynn Klosky

POC Email: Wynn.Klosky@usma.edu

DATE: 11/29/18

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. On Wednesday, 05DEC18, 2000-2050 in JH301, Dr. Colleen Eils (Associate Director, WPWP) will lead the Wednesday Night Workshop "Nailing the Elevator Pitch," aimed at those who want to craft concise and compelling examples of this type of brief, persuasive statement, a key to professional success and useful in any field.
2. On Thursday, 06DEC2018, the Faculty Writing Group will meet from 1200-1350 in JH401; Dr. Colleen Eils (Associate Director, WPWP) will be on hand to answer questions and offer guidance. The FWG is open to all West Point faculty members working on any academic writing, at any point in the process. The FWG meets regularly to dedicate time to individual scholarly writing in a community with a shared purpose.
3. To help prepare cadets for timed writing exercises, Dr. Jason Hoppe (Director, WPWP) will present the 12DEC18 Wednesday Night Workshop "Writing Under Pressure" from 2000-2050 in JH301. Workshop participants will learn strategies for success on TEEs and WPRs in any course.
4. On Tuesday, 18DEC18, the Mounger Writing Center will host a de-stressing event for Cadets as they engage with preparing for and taking their TEEs. Proposed activities for this joint effort between the West Point Writing Program, the West Point Library, and the Center for Enhanced Performance include visiting with the Paws for a Cause service dogs, use of a CEP egg chair, and art and writing therapy activities; more details forthcoming in next week's report.

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Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. On Monday, 26NOV18, the Cadet Writing Fellows held their first Monday Lunch Meet-up in the West Point Writing Program office, led by CIC Helen Schroeder ('20). Cadets and invited guests, including WPWP faculty and staff, Postgraduate Writing Fellows, and Karen Shea (Plebe Experience Librarian) discussed MWC business, upcoming projects, and conference opportunities.
2. This week's Wednesday Night Workshop, "Technical Communication for Engineers," was relocated to the larger JH002 for 28NOV18 in response to expected turnout, but CME faculty members COL Bret Van Poppel, LTC James Bluman, and LTC Andrew Bellocchio nonetheless drew a standing-room-only crowd who packed the larger venue eager to hear their expert advice. The 59 attendees were treated to a lively presentation including "must-know hacks" to improve their technical writing.