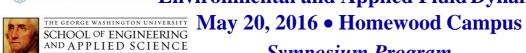


2016 Research Symposium on & Applied Fluid Mechanics Environmental and Applied Fluid Dynamics







Symposium Program

NELCOME - Professor Unares Meneveau (Jounn Spinis University)	Symposium 1 rogram		
Presents: "Flow control over a bluff body using dimples" TECHNICAL SESSION 1 - Session Chair: Jacopo Biasetti Cheng Li: GHU/Advisor: Dospik Rata) "Measurements of droplet size spectra resulting from breaking waves acting on an oil slick" In China - 10:50am In Carr: (GWU/Advisor: Russ Dickerson & Ross Salawitch) 10:50am - 10:50am Danick Anderson: (UMD/Advisor: Russ Dickerson & Ross Salawitch) 10:50am - 11:05am COFFEE BREAK - OUTSIDE GILMAN HALL, ROOM # 50 TECHNICAL SESSION II - Session Chair: Daniel Willen Chen Friedman: (GWU/Advisor: Morphy Stynder) "Measurements of dynamic interface between ship and helicopter air wakes" David W. Murphy: (HUI/Advisor: Joseph Katz) "Turbeleter crude oil planes in crossflow: effect of conster-rotating vortex pair structures on oil residence in plane" 11:45pm - 12:55pm David W. Murphy: (HUI/Advisor: Bugenia Kalnay, Kayo Ide, & Sarja Sharma) "Torceasting magnetic field variations in the high latitude inoxiphere using ensemble transform halmon filter in embedded space" "Scaling of energy amplification in the weak and strong elastic limits of viscoelastic shear flows" 12:25pm - 12:25pm Colin Parker: (GWU/Advisor: Megan Leftwich) "The flow surrounding a vertical axis wind turbine" LINCH BREAK: - HOOSON HALL, XDN FLOOR LOBBY TECHNICAL SESSION III - Session Chair: François Cadieux Francis Lapor: (UMD/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Interface) Endown - 2:00pm - 2:20pm Bin Zhang: (GWU/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Interface) Endown - 3:05pm - 3:05pm Naseam Masnadi: (UMD/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Interface) Eshwan Ramudu: (HU/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Interface) Eshwan Ramudu: (HU/Advisor: Among Interface) Francis Lapor: (UMD/Advisor: Among Int	8:30am - 9:00am		
Cheng Lie (HRUAdvisor: Joseph Karz)	9:05am - 9:50am		
10-10-10-10-10-10-10-10-10-10-10-10-10-1	TECHNICAL SESSION I - Session Chair: Jacopo Biasetti		
Daniel Anderson: (UMD/Advisors: Russ Dickerson & Ross Salawitch) "A tropical, tropopolyneric source of high connection water structures" De Soam - 11:05am	9:50am - 10:10am		
10.50am - 11.05am "A tropical, tropospheric source of high ozone/low water structures"	10:10am - 10:30am	Ian Carr: (GWU/Advisor: Michael Plesniak) "Flow over a surface mounted hemisphere in a pulsatile freestream"	
11:25am - 11:25am 11:25am - 11:25am Chen Friedman: (GWU/Advisor Murray Snyder) "Measurements of dynamic interface between ship and helicopter air wakes" 11:25am - 11:45pm David W. Murphy: (JHU/Advisor: Joseph Katz) "Turbulent crude oil plannes in crossflow: effect of counter-rotating vortex pair structures on oil residence in planne" Erin Lynch: (UMD/Advisors: Eugenia Kalnay, Kayo Ide, & Surja Sharma) "Forecasting magnetic field variations in the high lutitude tonosphere using ensemble transform kalmon filter in embedded space" "Scaling of energy amplification in the weak and strong elastic limits of viscoelastic shear flows" 12:25pm - 12:45pm Colin Parker: (GWU/Advisor: Megan Leftwich) "The flow surrounding a vertical axis wind turbine" 12:45pm - 1:40pm LUNCH BREAK: - HODSON HALL, 2ND FLOOR LOBBY TECHNICAL SESSION III - Session Chair: François Cadieux Francis Lagor: (UMD/Advisor: Derek Paley) "Estimation of a two-vortex flow field using an observability-guided lagrangian sensor" 2:40pm - 2:20pm Bin Zhang: (GWU/Advisor: Chunlei Liang) "A novel parallel high-order computational framework for simulations of two and three dimensional flows around rotating/moving objects" Estivan Ramudu: (JHU/Advisor: Anand Gnanadeskan) "Turbulent heat exchange between water and ice at an evolving ice-water interface" 2:40pm - 3:00pm Naeem Masnadi: (UMD/Advisor: Charles Menevau) "High-order statistics and random additive model for turbulent boundary layers" 3:55pm - 3:55pm Abhilas Reddy Malipeddy: (GWU/Advisor: Kausik Sarkar) "Computation of water drop dynamics on graphene-coated solids" 1:55pm - 4:15pm Joseph Andrews: (UMD/Advisor: Peter Olson) "Fragmentation and impacts in liquid-liquid systems: planet formation in the lab" 1:55pm - 5:15pm Danish Maqboo! (UMD/Advisor: Philippe Bardet) "Index matched PIV in linearly stratified flow" 1:55pm - 5:15pm Danish Maqboo! (UMD/Advisor: Chris Cadou) "An acoustic analysis of valveless pulsejer engines"	10:30am - 10:50am		
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