SCHEDULE

8:15am   Breakfast (The Commons – outside Panera)

9:00am   **Opening Remarks – Dr. Harris Wong** (PFTH 1200)

9:10am   Announcements – Dr. Ingmar Schoegl (PFTH 1200)

Morning Session 1

	Outstanding Research Assistant Competition (PFTH 1200) Chair: **Wencai Li** (Co-Chair: John J Hebert)
9:20 – 9:40am	**Cheng Yan** - From Drug Molecules to Thermoset Shape Memory Polymers: a Machine Learning Approach (Dr. Guoqiang Li)
9:40 – 10:00am	**Ondrej Labik** - Integration of Solar + Storage Installation Upstream in Modular Housing (Dr. Isabelina Nahmens)
10:00 – 10:20am	**Shahrior Ahmed** - Kinematic Modeling of a Spatial Screw-Driven Continuum Robot (Dr. Hunter Gilbert)

10:20am   Break

Morning Session 2

	Session A2 (PFTH 1200) Chairs: **Debaroty Roy**, Wencai Li	**Session B2** (PFTH 1263) Chairs: **Mojtaba Talachian**, Farid Sahebsara
10:40 – 11:00am	**Connor Becnel-** Temperature measurements in the reaction zone of a small-scale hybrid rocket combustor using TDLAS (Dr. Shyam Menon)	**Saber Nemati-** Vision transformers in automated material characterization; (Dr. Shengmin Guo)
11:00 – 11:20am	**Sachin Dahiya-** Micro heat-exchanger to cool cerebrospinal fluid (Dr. Manas Gartia)	**Farid Sahebsara-** Avoiding flip ambiguities during sequentially grown; (Dr. Marcio de Querioz)
11:20 – 11:40am	**Ryan Meraux-** A film cooling based approach to mitigate dust ingestion driven turbine blade damage (Dr. Shyam Menon)	**Chase LeMaire-** Tunable passive shock and vibration isolators for rotational isolation (Dr. Hunter Gilbert)
11:40 – noon	**Salar Saadatian-** Analytic solutions of heat and mass transfer in flat heat pipes with porous wicks (Dr. Harris Wong)	**Josh Nguyen-** Robotic manipulators performing smart sanding operation: a vibration approach (Dr. Corina Barbalata)

Noon   Lunch (The Commons – outside Panera)

Afternoon Session

	Session A3 (PFTH 1200) Chairs: **Farid Sahebsara**, Debaroty Roy	**Session B3** (PFTH 1263) Chairs: **John J Hebert**, Mojtaba Talachian
1:20 – 1:40pm	**Reza Namakian**- Combined molecular dynamics/Monte Carlo simulation (Dr. Moldovan & Dr. Meng)	**Mohana Gurunadhan-** A numerical investigation of melt layer effects on hybrid consumption of liquefying fluids (Dr. Keith Gonthier)
1:40 – 2:00pm	**Siavash Sarrafan-** A novel 2W-SMP syntactic foam actuator (Dr. Guoqiang Li)	**James Leung-** Experimental and computational study of droplet-shockwave interaction for pure fluids and nanofluids (Dr. Shyam Menon)
2:00 – 2:20pm	**Yunxia Wang**- A 3D printed jet mixer for centrifugal microfluidics (Dr. Wanjun Wang)	**Domingo Elias Soto-** Catalyst shape optimization for the reduction of hotspots in an exothermic reaction; (Dr. Wong & Dr. Nandakumar)
2:20 – 2:40pm	**Madeline Kirby**- Predictive thermal modeling and characterization of ultrasonic consolidation process for woven thermoplastic composites (Dr. Genevieve Palardy)	**Clifford LeBlanc-** Scale up of a novel method to maximize Malonyl-CoA in Escherichia Coli (Dr. Marcio de Querioz)
2:40 – 3:00pm	**Luis Velazquez-** Development and implementation of a UV curable resin extruder for additive manufacturing application (Dr. Corina Barbalata)	**Varun Viswamithra**- A study on the impact of elevated air temperatures on flame stability and NOx emissions (Dr. Shyam Menon)

3:00pm   Break & Group Photo

	Award Ceremony
3:30 – 4:00pm	Raffle & Award Presentation Best Presentation Award Outstanding Research Assistant Award
4:00pm	Closing Remarks

Adjourn