Conference Workshops At-A-Glance

All workshops on Sunday will be held in Prescott Hall and Oakley-STEM Center on the TTU campus.

#	Title	Lead Author	Time	Loc	Fee
1	**Screen Engineering**	Chris ORiordan-Adjah	10-12	SC 137	Free
	Screen Engineering – Bridging the gap between in class concepts and real life application in an entertaining way to improve theory effectiveness.				
2	**Introduction to Arduino**	Timothy Wilson	1-4	PH 215	Free
	This workshop presents the Arduino computing platform as a tool for instructional use across a number of engineering domains * Limit 10				
3	**A Framework to Predict Dissemination Success of STEM Educational Innovations**	Chetan Sankar	10:30 – 12	SC 139	Free
	Participants will be shown a framework leading to the successful implementation of engineering educational innovations and will be involved in discussion on this topic.				
4	**Screen Engineering Showcase**	Chris ORiordan-Adjah	1 - 5	SC Lobby	Free
	Posters will be on display that Showcase Screen Engineering				
5	**Engineering EFFECTs: Environments for Fostering Effective Critical Thinking.**	Charles E. Pierce	1-5	PH 304	Free
	Participants in the EFFECTs Workshop will explore teaching and learning methods that engage engineering students in critical thinking about real engineering problems, and the workshop will provide examples and tools that are used in the EFFECTs pedagogical framework to stimulate, document, and assess critical thinking.				
6	**K-12 Engineering Outreach Workshop**	Sally Pardue	1:30 - 4:30	SC 131,135, 137,139	Free
	K-12 Engineering Outreach Workshop – The workshop is a 3-hour showcase of ten to twelve engineering activities and programs aligned with education standards and designed for use with K – 12 teachers and students in formal and informal learning environments.				
7	**Creating Hands-on Programming Experiences for Engineering Students**	Sheikh Ghafoor	1:00-5:00	PH 222	Free
	The workshop will present a method and tools to introduce programming to engineering students using microcontrollers. The method will allow freshman engineering students to learn programming while engaging with engineering hardware. The method can also be implemented into other engineering courses.				
8	**Developing the NAE 2020 Engineer**	Pedro Arce	1:00 – 5:30	PH 205	Free
	Workshop will train educators in approaches useful to develop the new NAE 2020 Model: One helpful prototype is the recent Renaissance Engineering Model adopted at TTU.				

SC = The Millard Oakley STEM Center and PH= Prescott Hal