

Directorate	Directorate topic #	Proposal	Student	Faculty	School
HE	HE-10	Improving real-time operator functional state assessment through the use of functional near-IR techniques	Justin Estep	Ping He	WSU
	HE-3	Lexicon building for multi-language speech recognition	Jeremy Morris	Eric Fosler-Lussier	OSU
	HE-6	Analysis of smart automatic jettisoning device for helmet mounted display systems	Hatim Alqadah	H. Howard Fan	UC
	HE-1	Establish an efficient large-linked database for epidemiological studies	Eric Master	Soon Chung	WSU
	HE-10	Operator functional state real-time sensor and classifier development	Jovanni Conway	S. Narayanan	WSU
IF	IF-1	Optical hybrid processing	Scott Masturzo	Joseph Boyd	UC
ML	ML-13	Thermo-mechanical characterization of ceramics matrix composites in combustion environments of gas turbine engines	Ted Kim	Shankar Mall	AFIT
PR	PR-6	Validation of a dissipated energy theory for fatigue crack growth under mixed-mode loading	Craig Baudendistel	Nate Klingbeil	WSU
	PR-9	Longer length carbon nanotubes for electric power applications	John Bulmer	Chakrapani Varanasi	WSU/UD
	PR-2	A numerical shock tube tool for chemical kinetics in scramjet engine	David Bilyeu	Sheng-Tao (John) Yu	OSU
	PR-4	Solution of multi-scale problems involving ablation fronts	Nathan Mullenix	Alex Povitsky	U. Akron

	PR-6	Development of a new technique for determining the strain dependent damping and stiffness characteristics of hard coatings	Shad Reed	Anthony Palazotto	AFIT
SN	SN-12	RF/EO ATR and Tracking of Dismounts	Karmon Vongsy	Arnab Shaw	WSU
	SN-27	General real time automatic modulation recognition algorithms in low SNR	Eric Like	Zhiqiang Wu	WSU
	SN-7	Intelligent sensor organization system (ISOS)	Eric Matson	Raj Bhatnagar	UC
	SN-15	Multi-channel RF receiver/exciter systems	Greg Distler	Yu T. Jade Morton	MU
	SN-22	Flash LADAR: a new technology supporting separation of static and non-static ground features	J. N. Markiel	Dorota Grejner-Brzezinska	OSU
VA	VA-7	Investigation of the response of functionally graded plates and shells subject to high-velocity impact events in extreme environments	Reid Larson	Anthony Palazotto	AFIT
	VA-2	Flow separation at low Reynolds number in three dimensional and unsteady flows	Steven Coppess	Effie Gutmark	UC
	VA-8	Induced drag minimization with optimal scheduling of transpiration boundary control	Ernest Thompson	Ramana Grandhi	UD/WSU
	VA-6	Control of airbreathing hypersonic vehicles	Josh Carter	Trevor Williams	UC
	VA-10	Flow field modification for aero-optics applications using shape change	Justin Persinger	James Schmiedeler	OSU