Sunday, June 5th

5:00 - 6:30

All-TSRC Meet-and-Greet at Phoenix Bean

Monday, June 6th

7:30 - 8:30	Breakfast (provided by TSRC)	
9:00 - 9:10	Welcome: Jennifer Hollingsworth	
Chair: Jennifer	· Hollingsworth	
9:10 - 10:00	Ryan Hadt	Connecting molecular electronic structure and electron spin relaxation for quantum information science
10:00 - 10:50	Selvan Demir	Employing electronic spins for single-molecule magnet and qubit design
10:50 - 11:20	Coffee Break	
11:20 - 12:10	Martin Kirk	Exchange coupled spin qubit design and photoinduced ground state electron spin polarization
12:10 - 2:00	Lunch	
2:00 - 2:50	Joe Zadrozny	Chemical tailoring of spins to act like other spins
2:50 - 3:40	Vivien Zapf	Routes to magnetoelectric coupling in molecular systems
3:40 - 4:00	Coffee Break	
4:00 - 4:50	Natia Frank (virtual)	Role of charge transfer for spin-state gating in transition metal and organic spin systems
4:50 - 5:20	Ekaterina Dolgopolova	Well-defined phthalocyanine-based molecular qubit architectures
5:20 - 5:50	Jonathan Snow	Perovskite significance in the natural world (and now for something completely different!)

Tuesday June, 7th

7:30- 8:30	Breakfast (provided by TSRC)		
Chair: Vivien Z	lapf		
9:00 - 9:50	Steve Hill	Molecular clock qubits	
9:50 - 10:40	Guillem Aromi	Spin-based multiqubit quantum gates using heterometallic lanthanide molecules	
10:40 - 11:10	Coffee Break		
11:10 - 12:00	Leoni Barrios Moreno	Is the supramolecular modulation of spin-based qubits possible?	
12:00 - 2:00	Lunch		
2:00 - 2:50	Obadiah G. Reid	Triplet excitons as progenitors and carriers of quantum information	
2:50-3:40	Victor V. Albert	Molecular rotational state spaces for quantum information processing	
3:40 - 4:00	Coffee Break		
4:00 - 4:50	Hai-Ping Cheng	First-principles modeling of qubits and magnetic molecules	

6:30 - 7:30	,	e Conference Center in Mountain Village
4:50 - 5:20	Manoj Vinayaka Hanabe Subramanya	Pulsed EPR capabilities of High Power quasi optical spectrometER (HiPER)

Wednesday, June 8th

7:30- 8:30	Breakfast (provided by TSRC)	
9:00	Group hike (TBD)	
Chair: Ekaterin	na Dolgopolova	
1:00 - 1:50	Jennifer Hollingsworth	Designing optical nanomaterials to be the ideal partners for solid-state spin qubits
1:50 - 2:40	Andrew Jones	Deterministic creation, characterization, and manipulation of nanostructure-based quantum emitters using scanning probe microscopy techniques
2:40 - 3:00	Coffee Break	
3:00 - 3:50	Andrei Piryatinski	Role of material system fluctuations and correlations in quantum photon generation
3:50 - 4:40	Eric Bittner	Probing many body dynamics with entangled photons: correlating entropy change with exciton/exciton correlation
5:30 - 7:00	All-TSRC Picnic	

Thursday June, 9th

7:30- 8:30	Breakfast (provided by TSRC)			
Chair: Andrew Jones				
9:00 - 9:50	Ben Stein	Ultrafast studies of the excited state dynamics of f-element complexes		
9:50 - 10:20	Sam Greer	Electron paramagnetic resonance studies of f-element complexes		
10:20 - 10:50	Coffee Break			
10:50 - 11:40	Wolfgang Wernsdorfer (virtual)	Operation quantum states in single molecular spin qubits and qudits.		
11:40 - 1:30	Lunch			
1:30 - 2:20	Nick Chilton	Spin-dynamics in magnetic molecules		
2:20 - 3:10	Alessandro Lunghi	Spin-phonon relaxation in magnetic molecules: from theory to ab initio simulations		
3:10 - 3:40	Coffee Break			
3:40 - 4:10	Magdalena Owczarek	Close-to-room-temperature magnetoelectric coupling via spin crossover in Fe(II) molecule-based compound		
Friday, June 10	0			
7:30- 8:30	Breakfast (provided by T	SRC)		

Chair: Sam Gre	er	
9:00 - 9:50	Xiaoguang Zhang	Modeling spin interaction in magnetic molecules for qubit operation and decoherence
9:50 - 10:40	Nikolai Sinitsyn	Coherent reaction between molecular and atomic Bose-Einstein condensates: integrable model
10:40 - 11:10	Coffee Break	
11:10 - 12:00	Yu Zhang	First-principles modeling of Spin-Spin interactions and Spin-phonon relaxation
12:00 - 2:00	Lunch	
2:00 - 5:00	Informal discussions and collaboration	