

## September 23, 2016 (Friday)

### Quantum Dot

- 09:00-09:30 Quantum adiabatic pumping with modulating phases in an interferometer  
Yasuhiro Tokura (Univ. Tsukuba)
- 09:30-10:00 Coherence of a single electron spin in an isotopically purified Si/SiGe quantum dot with a micromagnet  
Jun Yoneda (RIKEN)
- 10:00-10:30 Fractional charges in one dimensional quantum dot arrays  
Peter Stano (RIKEN)

### 10:30 ~ 10:50 Refreshment Break

### Hybrid system

- 10:50-11:40 Cavity electromechanics for phonon manipulation  
(Invited) Hiroshi Yamaguchi (NTT)
- 11:40-12:00 Electrically detected nuclear spin resonance microscopy  
Katsushi Hashimoto (Tohoku Univ.)

**12:00 ~ 12:20 Closing**

**Nasu summer school 2016**  
**September 21 - 23**

Time	September 21 (Wednesday)	September 22 (Thursday)	September 23 (Friday)
9:00		(Non-equilibrium phenomena) T. Ota	(Quantum Dot) Y. Tokura
		K. Itoh	J. Yoneda
		Refreshment Break	
10:00			P. Stano
		Invited: S. Miyashita	Refreshment Break
			(Hybrid system) Invited: H. Yamaguchi
11:00			K. Hashimoto
			Closing(12:00 - 12:20)
12:00			Workshop Lunch (BBQ)
		Opening (12:50 - 13:00)	
13:00	(Superconducting junction) Invited: R. Deacon		
14:00	G. Yang		
	K. Ueda		
	Refreshment Break		
15:00	(Carbon materials) Y. Shimazaki		
	I. Borzenets		
	W. Izuimida		
16:00	R. Okuyama		
	Refreshment Break		
	(1D systems) M. Hashisaka		
	S. Baba		
	T. Aono		
18:00	Dinner (Please help yourself)	Free Discussion	
19:00			
20:00			
21:00		Dinner (Please help yourself)	
		Poster Session and Discussion Time (19:30 - )	