



# Quantum Sensing Workshop

## Tuesday, 14 February 2023

**Session II: Atoms Session, Scott Bisson (Sandia), chair - Building 015, Room 0253 (13:30 - 17:45)**

time	[id] title	presenter
13:30	[10] Atom interferometry 1.0 and 2.0 for inertial sensing	KRZYZANOWSKA, LOS ALAMOS NATIONAL LABORATORY, Katarzyna
13:50	[11] Cold Atom Interferometry applied to near field gravity tomography	LIBBY, LAWRENCE LIVERMORE NATIONAL LABORATORY, Stephen
14:10	[12] Realization of a guided matter wave gradiometer for gravity sensing applications	RYU, LOS ALAMOS NATIONAL LABORATORY, Changhyun
14:30	[44] Developing compact atom interferometer devices	SCHWINDT, SANDIA NATIONAL LABORATORY, Peter
14:50	[13] Enrichment quantification of UF6 using low-field nuclear magnetic resonance with atomic magnetometer detection	MAGNELIND, LOS ALAMOS NATIONAL LABORATORY, Per
15:10	Break	
15:25	[14] Optically pumped magnetometers - the journey out of the lab	RIIS, UNIVERSITY OF STRATHCLYDE, Erling
15:45	[15] Magnetic sensing and other laser-based applications	SAVUKOV, LOS ALAMOS NATIONAL LABORATORY, Igor
16:05	[45] Magnetic field nulling and shaping for quantum technologies	FROMHOLD, UNIVERSITY OF NOTTINGHAM, Mark
16:25	[46] LANL MPA-Q (Quantum) capability overview	MARTIN, LOS ALAMOS NATIONAL LABORATORY, Michael
16:45	[47] Atom Session Panel Discussion, report assignments	
17:15	[48] Tuesday Wrap Up Discussion	