

# Solar-Stellar Connection Workshop

May 18-19, 2015

2246 Space Research Building

## Monday, May 18

9:00-9:10	Welcome, opening remarks	Eric Bell, U-M Astronomy Joel Bregman, U-M Astronomy Sue Lepri, U-M AOSS Alicia Aarnio, U-M Astronomy
	<b>Session 1: Magnetic activity and rotation</b>	
9:10-9:40	What Have We Learned From Stellar Variability Surveys About Solar-Analog Spots, Coronal Structures, and Flares on Other Sun-like Stars?	Keivan Stassun, Vanderbilt/Fisk University
9:40-10:10	Shear flows in solar active regions	Chip Manchester, U-M AOSS
10:10-10:40	Imaging the surfaces of stars with interferometers	John Monnier, U-M Astronomy
10:40-11:10	<b>Coffee &amp; Poster Review</b>	
11:10-11:40	Imaging spotted stellar surfaces	Rachael Roettenbacher, U-M Astronomy
11:40-12:10	The mystery of angular momentum regulation	Lee Hartmann, U-M Astronomy
	<b>Session 2: Cosmochemistry, stellar and solar abundances from photosphere to wind</b>	
12:10-12:40	Tracing the Ingredients for a Habitable Earth from Interstellar Space through Planet Formation	Ted Bergin, U-M Astronomy
12:40-14:10	<b>Lunch</b>	
14:10-14:40	Solar and stellar photospheric abundances	Chuck Cowley, U-M Astronomy
14:40-15:10	Solar coronal abundances	Enrico Landi, U-M AOSS
15:10-15:40	In-situ solar wind measurements	Sue Lepri, U-M AOSS
15:40-16:10	<b>Coffee &amp; Poster Review</b>	
	<b>Session 3: Winds and mass loss</b>	
16:10-16:40	Stellar coronal mass ejections: empirical mass loss rate estimates and current observational efforts	Alicia Aarnio, U-M Astronomy
16:40-17:00	Understanding the formation/driving of the solar wind	Justin Kasper, U-M AOSS

## Tuesday, May 19

9:00-9:30	MHD turbulence modeling of the solar wind	Bart van der Holst, U-M AOSS
9:30-10:00	Studying Stellar Winds Using Astrospheric Lyman-alpha Absorption	Brian Wood, Naval Research Laboratory
	<b>Session 4: Interactions of stars with their environs</b>	
10:00-10:30	The activity of T Tauri stars	Nuria Calvet, U-M Astronomy
10:30-11:00	<b>Coffee &amp; Poster Review</b>	
11:00-11:30	Magnetically Controlled Flows in Disk Accretion and T Tauri Binaries	Fred Adams, U-M Physics
11:30-12:00	Magnetized jets driven by the Sun: the structure of the heliosphere revisited	Merav Opher, Boston University
12:00-12:30	Wind-driven Exclusion of Cosmic Rays in the Protoplanetary Disk Environment	Ilse Cleeves, U-M Astronomy
12:30-14:00	<b>Lunch</b>	
14:00-14:30	Overview of solar wind - planetary interactions	Jim Raines, U-M AOSS
14:30-15:00	Exoplanet Atmospheres: Subject to a Diverse Range of Stellar Influences	Emily Rauscher, U-M Astronomy