

# UMER 2009 WORKSHOP AGENDA

**THURSDAY OCT 15, 2009**

## MORNING

<b>SESSION I</b>	<b>8:30-9:35 AM</b>
<b>Pat O'Shea, UMD,</b> "Workshop introduction and overview"	(15+5)
<b>Santiago Bernal, UMD,</b> "UMER: description and status"	(15+5)
<b>Dave Sutter, UMD,</b> "Diagnostics and beam characterization"	(20+5)
<b>SESSION II</b>	<b>9:50-10:25 AM</b>
<b>Tim Koeth, UMD,</b> "UMER operational performance and capabilities"	(15+5)
<b>Brian Beaudoin, UMD,</b> "Longitudinal studies"	(10+5)
<b>SESSION III</b>	<b>10:40 – 11:20 AM</b>
<b>Rami Kishek, UMD,</b> "Modeling and simulation"	(15+5)
<b>Karen Fiuza, UMD,</b> "UMER orbit correction & design study for acceleration"	(10+5)
<b>LAB TOUR</b>	<b>11:20 AM – 12:30 PM</b>

## AFTERNOON

<b>AFTERNOON JOINT SESSION</b>	<b>1:30 – 3:00 PM</b>
<b>Chiping Chen, MIT Plasma Science and Fusion Center.</b> "Opportunities for experimental demonstrations of adiabatic thermal beams at the UMER facility"	(15+5)
<b>SY Lee, Indiana U.</b> "Emittance evolution of beams at the Fermilab Booster and resonance crossing"	(25+5)
<b>Christos Papadopoulos, UMD</b> "Phase space properties of halos in intense beams"	(15+5)
<b>Ralph Fiorito, UMD</b> "Halo and optical diagnostics"	(15+5)

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## THURS PARALLEL WORKING GROUPS

3:15 – 5:30 PM

**WG1:** Resonances and Instabilities (Leader: Bernal & Cornacchia)

**WG2\*:** Instrumentation (Leaders: Sutter & Fiorito)

**UMER Workshop Dinner at UMUC Inn & Conference Center**  
(Carpools provided as needed)

6:30 – 9:30 PM

## FRIDAY OCT 16, 2009

### MORNING JOINT SESSION

8:30 – 9:30 AM

**Charles Thangaraj**, FNAL (15+5)

“Experimental observation of solitary wave formation in intense e-beams”

**John Harris**, Naval Postgraduate School (15+5)

(with Brian Poole and Yu-Jiuan Chen, LLNL)

“Space charge waves, mismatch, and halo.”

**Jean-Luc Vay**, LBNL (15+5)

“New Developments in WARP”

### FRIDAY PARALLEL WORKING GROUPS

9:45 – 11:15 AM

**WG3:** Longitudinal Physics (Leaders: Koeth & Beaudoin)

**WG4\*:** Transverse Physics (Leader: Fiuza & Sutter)

### CLOSING SESSION

11:15 AM - NOON

Working group summaries and discussion

**Pat O’Shea**, UMD,

Closing remarks

\* Even-numbered working groups held in Rm. 1207, Energy Research Building (IREAP)