

# EUV Source Modeling Workshop Agenda

## November 4, 2004, Miyazaki Japan

Time	Topic	Presenter
1400 – 1405	Welcome and Introduction Introduction to Workshop Agenda	Vivek Bakshi Katsunobu Nishihara
	<b>Technical Presentations</b>	
	<b><i>Session Chair: Takeshi Nishikawa (Okayama University)</i></b>	
	<b>(A) Fundamental Atomic Data and their Modeling</b>	
1405 – 1425	EUV emissions from charge-selected Xe ions using charge-transfer collisions in the ion-beam experiments (Which charge-states of Xe ions do contribute to the emission around 13.5 nm?)	H. Tanuma
1425 – 1445	Wavelength and Width of Transition Arrays of Xe and Sn	A. Sasaki
1445 – 1505	Sn Data for EUV Sources	K. Koshelev

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	<b>(B) LPP and GDPP Conversion Efficiency (CE) Modeling</b>	
1505 – 1525	Conversion Efficiency of Laser-Produced Tin and Xenon Plasmas	A.Sunahara
	<b><i>Session Chair: Gerry O’Sullivan (University of Dublin)</i></b>	
1525 – 1545	Gas Discharge and Laser Produced Plasma Modeling and Simulation	A. Hassanein
1545 – 1600	Source Modeling at Cymer	Curtis Rettig
1600 – 1615	Break	

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	<b>(C) Modeling of High Energy Ion and Debris</b>	
1615 – 1630	Fast Ions from LPP	Y-G. Kang
1630 – 1645	Debris Generation in Sn and Li Plasmas	David Ruzic

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	<b>Panel Discussions</b>	
	<b><i>Moderators: Vivek Bakshi and Katsunobu Nishihara</i></b>	
1645 – 1715	(A) What is the ultimate limit for CE for Xe and Sn based EUV Sources (GDPP/LPP)? <b>Panelists:</b> A. Sunahara (Inst. Laser Tech.) G. O'Sullivan (Dublin) A. Hassanein (ANL) M. Richardson (UCF) S. V. Zakharov (EPPRA) S. Fujioka (Osaka University)	

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1715 - 1750	<p>(B) What EUV source issues can be addressed by modeling?</p> <p>(C) What are the areas of deficiency for modeling infrastructure (Fundamental data, code development, etc.) and how to address them?</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>A. Sasaki (JAERI-APR)</li> <li>A. Hassanein (ANL)</li> <li>B. Rice (Intel)</li> <li>C. Rettig (Cymer)</li> <li>M. Richardson (UCF)</li> </ul>	
1750	Workshop Highlights	Nishihara
1800	Adjourn	Nishihara

