

PUSHING THE LIMITS OF RF SUPERCONDUCTIVITY

September 22-24, 2004
Argonne National Laboratory
Conference Room A, Argonne Guest House

WEDNESDAY, SEPTEMBER 22, 2004

08:40-08:50	Welcome	Hermann Grunder, ANL
08:50-09:00	Introduction	Kwang-Je Kim, ANL
	FUNDAMENTALS OVERVIEW	Chair: Kwang-Je Kim, ANL
09:00-9:50	Tutorial and Open Issues on Both Gradient and Q	Matthias Liepe, Cornell U.
9:50-10:30	Fundamental RF Critical Field Overview	Kenji Saito, KEK
10:30-11:00	Break	
	SESSION I: Ultimate Field Limits, New Materials, New Geometries	
	<u>INTRODUCTORY TALKS</u>	Chair: Ricky Campisi, ORNL
11:00-11:30	Nb-Cu Overview	Sergio Calatroni, CERN
11:30-12:00	New Materials Review (Nb ₃ Sn, MgB ₂ , HTS...)	Enzo Palmieri, INFN
12:00-12:30	New Geometries Overview	Jacek Sekutowicz, DESY
12:30-13:30	Lunch Break	
13:30-15:30	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u>	Moderators: Warren Funk, JLab and Ken Shepard, ANL
15:30-16:00	Break	
16:00-18:00	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u> (continued)	

THURSDAY, SEPTEMBER 23, 2004

	SESSION II: High Q, Field Emission, Q-Slopes—Part I	
	<u>INTRODUCTORY TALKS</u>	Chair: Jean Delayen, JLab
09:00-09:45	Field Emission Overview: Cleanliness and Processing	Detlef Reschke, DESY
09:45-10:30	Overview of High Field Q-Slope (Non-field Emission) Experiments & Theory	Lutz Lilje, DESY
10:30-11:00	Break	

	SESSION II: High Q, Field Emission, Q-Slopes—Part II	
	<u>INTRODUCTORY TALKS</u>	Chair: David Larbalestier, U. of Wisc.
11:00-11:30	Hi Q at Low and Medium Field	Gigi Ciovati, JLab
11:30-12:00	Overview of Surface Measurements: What Do Surface Studies Tell Us about Q-Slope?	Claire Antoine, CEA Saclay
12:00-13:00	<i>Lunch Break</i>	
13:00-15:00	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u>	Moderators: Helen Edwards, FNAL and Matthias Liepe, Cornell U.
15:00-15:30	<i>Break</i>	
15:30-17:30	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u> (continued)	
17:45	Cash Bar Opens at the Argonne Guest House Restaurant	
18:30	Workshop Dinner at Argonne Guest House Restaurant	
FRIDAY, SEPTEMBER 24, 2004		
	SESSION III: Future Research Paths to Ultimate Performance	
	<u>INTRODUCTORY TALKS</u>	Chair: Ilan Ben-Zvi, BNL
08:30-09:20	R&D Paths Towards Achieving Ultimate Capabilities—Overview Talk	Peter Kneisel, JLab
9:20-9:50	Overview of Ongoing Research Activities at the World's Leading Laboratories	Helen Edwards, FNAL
09:50-10:40	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u>	Moderators: Dieter Proch, DESY and Enzo Palmieri, INFN
10:40-11:00	<i>Break</i>	
11:00-12:30	<u>CONTRIBUTED TALKS AND DISCUSSIONS</u> (continued)	
12:30-13:30	<i>Lunch Break</i>	
13:30-15:30	SUMMARY TALKS BY MODERATORS	Chair: Claus Rode, JLab
15:30	Adjourn	