

Program

**Program SRF Workshop**

**Overview**

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
8:30 – 9:00		Registration	Plenary	Plenary	Working Groups	New Projects	
9:00 – 10:30		Welcome/ Review					
10:30 – 11:00		Coffee	Coffee	Coffee	Coffee	Coffee	
11:00 – 12:00		Review	Invited Talks I	Invited Talks II	Working Groups	New Projects	
12:00 – 12:30		Lunch				Closing/ Sandwich	
12:30 – 13:00							
13:00 – 13:30			Lunch	Lunch	Lunch	To DESY/Airport	
13:30 – 14:30							
14:30 – 16:00			Poster I	Poster II	Invited Talks III	Poster III	15:00 TTF- Tour
16:00 – 16:30		Registration	Coffee	Coffee	Coffee	Coffee	
16:30 – 17:30	Reception	Poster I	Poster II	Tutorial III	Poster III		
17:30 – 18:30		Tutorial I	Tutorial II		Report Working Groups		
19:00 - END				Dinner			

## Program

### Sunday, September 7, 2003

16:00	Registration starts
16:00	Paper processing office opens
18:00	Welcome Reception Maritim, Basement, room to be announced

### Monday September 8, 2003

8:30 – 18:30	<b>Salon Braunlage</b> : Registration	
	<b>Saal Maritim - Reviews: / Chair: D. Schrage</b>	
9:00 – 9:15	Opening, Welcome	
9:15 - 9:45	Introductory remarks: Status of SRF accelerator technology, what do we expect from this workshop	H. Padamsee
9:45- 10:30	Theoretical critical field for RF application	K. Saito
10:30 - 11:00	Coffee	
	<b>Reviews (cont) / Chair: G. Mueller</b>	
11:00 - 11:45	Thin film SRF Applications beyond accelerators	N. Klein
11:45 - 12:30	Application of low and high Tc superconductors in magnets and power applications	R. Fluekiger
12:30 – 14:30	Lunch	
	<b>Salon Timmendorf:</b>	
14:30 - 16:00	Poster Session I	
16:00 – 16:30	Coffee	
16:30 – 17:30	Poster Session I (cont)	
	<b>Saal Maritim – Tutorial I</b>	
17:30 – 18:30	Basic principles of RF superconductivity and SC cavities, limitations in SRF cavities	P. Schmueser

Program

**Tuesday, September 9, 2003**

8:30 – 18:30	<b>Salon Braunlage:</b> Registration	
	<b>Saal Maritim – Plenary talks / Chair: C. Antoine</b>	
8:30 - 9:00	Q-slope at high gradients: Review about experiments and explanations	B. Visentin
9:00 - 9:30	Surface characterization: what has been done, what has been learned	P. Kneisel
9:30 - 10:00	High gradient in multi-cell cavities	L. Lilje
10:00 - 10:30	Operating experience with beta 1 high current accelerators	S. Belomestnykh
10:30 – 11:00	Coffee	
	<b>Invited Talks: Accelerator oriented studies / Chair: E. Chiaveri</b>	
11:00 - 11:20	Superstructures; first cold test and future applications	J. Sekutowicz
11:20 - 11:40	Third harmonic superconducting passive cavities in ELETTRA and SLS	P. Bosland
11:40 - 12:00	Review of the status of SRF photo-injectors	J. Teichert
12:00 - 12:20	CEBAF-ER: Extending the Frontier of Energy Recovery at Jefferson Lab	C. Tennant
	<b>Cavity, coupler, tuner: / Chair: E. Chiaveri</b>	
12:20 - 12:40	Control of microphonics and Lorentz force detuning with a fast mechanical tuner	S. Simrock
12:40 - 13:00	SCRF detectors for gravitational waves	G. Gemme
13:00 – 14:30	Lunch	
	<b>Salon Timmendorf:</b>	
14:30 – 16:00	Poster Session II	
16:00 – 16:30	Coffee	
16:30 – 17:30	Poster Session II (cont)	
	<b>Saal Maritim – Tutorial II:</b>	
17:30 – 18:00	Low and intermediate beta cavity design	J. Delayen
18:00 - 18:30	Power Coupler tutorial, HOM coupler tutorial	B. Rusnak

Program

Wednesday, September 10, 2003

8:30 – 18:30	<b>Salon Braunlage: Registration</b>	
	<b>Saal Maritim – Plenary talks / Chair: P. Kneisel</b>	
8:30 – 8:55	Status of the SNS SC cavity and cryostat production	J. Mammosser
8:55 - 9:20	Operating experience with low beta accelerators	G. Zinkann
9:20 - 9:45	Status of the TTF FEL	S. Schreiber
9:45 - 10:10	Report from input coupler workshop	I. Campisi
10:10 - 10:35	Report from spoke cavity workshop	F. Krawczyk
10:35 – 11:00	Coffee	
	<b>Invited Talks: Cavity, coupler, tuner / Chair: V. Palmieri</b>	
11:00 - 11:20	200 MHz Nb-Cu cavities for muon acceleration	R.L. Geng
11:20 - 11:40	Results on LNL Nb RFQs	G. Bisoffi
11:40 - 12:00	SC Structures for RIA	K. Shepard
	<b>Fabrication techniques / Chair: V. Palmieri</b>	
12:00 - 12:20	Progress of Nb/Cu technology with 1.5 GHz cavities	S. Calatroni
12:20 - 12:40	Performance of seamless cavities, experience with different fabrication methods	W. Singer
12:40 - 13:00	Mechanical properties of high purity niobium - novel measurement	G. Myneni
13:00 - 14:30	Lunch	
	<b>New researchers presentation (Diploma work, PhD work, activities by newcomers: / Chair: P. Schmueser</b>	
14:30 - 14:50	Voltage Breakdown and the Processing Mechanism	G. Werner
14:50 - 15:10	Magnetic susceptibility measurements as a tool to characterize niobium for RF cavities	S. Casalbuoni
15:10 - 15:30	Study of material parameters on SC cavities	G. Ciovati
15:30 - 15:50	Hydrogen free EP/ Hydrogen absorption phenomena	T. Higuchi
15:50 - 16:30	Coffee	
	<b>Saal Maritim – Tutorial III</b>	
16:30 - 17:00	Design principles of NC and SC cavities : example for high current storage rings	J. Knobloch
17:00 - 17:30	Fundamentals of EP; application to Nb and Cu	V. Palmieri
	Free time	
19:00 – end	Dinner on the Passat	

Program

**Thursday, September 11, 2003**

8:30 – 18:30	<b>Salon Braunlage:</b> Registration	
8:30 – 10:30	<b>Working Groups</b> WG 1, Q drop at high gradient, Prospects of higher Q for CW, critical RF SC field WG 2, Ion accelerating structures/intermediate velocity cavities WG 3, Couplers, tuners, pieco compensation WG 4, High gradient cw modules for FEL/ standard modules	
10:30 – 11:00	Coffee	
11:00 – 13:00	<b>Working Groups continued</b>	
13:00 – 14:30	Lunch	
	<b>Salon Timmendorf:</b>	
14:30 – 16:00	Poster Session III	
16:00 – 16:30	Coffee	
16:30 – 17:30	Poster Session III (cont.)	
	<b>Saal Maritim – Working Group Summaries / Chair: S. Noguchi</b>	
17:30 – 17:45	WG 1	
17:45 – 18:00	WG 2	
18:00 – 18:15	WG 3	
18:15 – 18:30	WG 4	

**Friday, September 12, 2003**

8:30 – 12:00	<b>Salon Braunlage:</b> Registration	
	<b>Saal Maritim – New Projects / Chair: K. Shepard</b>	
8:30 - 9:00	Challenges for Future Light Sources (ERL and FEL)	M. Liepe
9:00 - 9:30	X-Ray FEL at DESY	H. Weise
9:30 - 10:00	High intensity proton sources	A. Facco
10:00 - 10:30	Rare isotope (heavy ion) accelerators	S. Schriber
10:30 – 11:00	Coffee	
	<b>New Projects (cont) / Chair: H. Padamsee</b>	
11:00 - 11:30	Future stable-beam Accelerators for Nuclear Physics	L. Harwood
11:30 - 12:00	Status of warm/cold linear collider competition	N. Walker
12:00 - 12:30	Closing	
12:30 – 13:00	Sandwich	
13:00	Busses leaving either to Hamburg Airport or to DESY for the TTF Tour	
14:30 - 17:00	TTF Tour	
17:00	Bus leaving for Airport Hamburg	