

## **Workshop**

# **“Superconducting Accelerators for FEL- and Bremsstrahlung Applications”**

**Supported by Office of Naval Research (ONRG)**

*Dates of conference:* 31. January – 3. February 2011  
*Name of conference venue:* Club Sera Hotel  
*Conference City and Country:* Antalya, Turkey  
*Name of Potential Grantee:* FZ Dresden Rossendorf e.V., Dr. Peter Michel  
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NATO Cage Code (NCAGE): CE479

### **Monday 31. January**

#### *Opening session Chair: Ömer Yavas*

8:30 Welcome (DeSandre/Michel/Ozkorucuklu)

8:50 P.Michel - ELBE Overview & Project Organization (personal, timelines, budget)

9:10 S.Ozkorucuklu - TARLA Overview & Project Organization (specific cond. in Turkey)

9:30 Discussion

#### *Gun & Accelerator Session Chair: P. Michel*

10:00 J.Teichert - ELBE Electron Sources

10:20 A.Arnold - Superconducting Resonators

10:40 P.Murcek - Cryostats & Mechanics

11:00-11:30 coffee break

11:30 A.Aksoy - TARLA Electron Gun Concept

11:50 S.Ozkorucuklu - Possible Modifications on ELBE SRF Module and Current Status

12:10 discussion

13:00 – 14:00 lunch

#### *RF & timing session Chair: DeSandre*

14:00 A.Büchner - ELBE LL-RF

14:20 H.Büttig - ELBE Power RF Systems

14:40 G.Staats - Phase Stability and Microphonics

15:00 M.Kuntsch - ELBE Timing System

15:20 coffee break

15:50 G.Kalayci - TARLA RF Concept and Plan

16:10 Ö.Karlı - TARLA RF Power Systems

16:30 discussion

18:00 dinner

## Tuesday 1. February

### *Beam transport & Diagnostic Session Chair: J. Teichert*

8:30 U.Lehnert - ELBE Beamtransport  
8:50 R.Schurig - ELBE Diagnostic Overview  
9:10 C.Kaya - Bunch Length Measurement at ELBE  
9:30 A.Aksoy - TARLA Beam Transport  
10:00 Z.Nergiz - TARLA Beam Diagnostic  
10:20 discussion

*10:50 coffee break*

### *Control & IT session Chair: H. Buttig*

11:10 M.Justus - ELBE Control System and IT Architecture  
11:30 T.Soygul - TARLA Control System  
11:50 T.Soygul - EPICS @ TARLA  
12:10 discussion

*13:00 -14:00 Lunch*

### *Axiliary systems session Chair: U. Lehnert*

14:00 C.Schneider - ELBE Cryogenics System  
14:20 M.Freitag - ELBE Vacuum System  
14:40 A.Büchner - ELBE Water Cooling System  
15:00 I.Kösterke - Radiation Safety

15:20 coffee break

15:50 O. Kabukcu - TARLA Cryogenics Concept  
16:10 E.Kazanci - TARLA Building  
16:30 E.Kurkcuglu - TARLA Radiation Safety  
16:50 discussion

18:00 social event including dinner

## Wednesday 2. February

### *FEL & application session Chair: P. Arian*

8:30 U.Lehnert - Beam Requirements for FEL Operation  
8:50 W.Seidel - FEL's @ ELBE  
9:10 R.Schurig - ELBE-FEL Operation Experiences  
9:30 A.Aksoy - TARLA FEL Concept  
9:50 I.Akkurt - TARLA Bremsstrahlung  
10:10 discussion

10:30 coffee break

11:00 P.Michel - ELBE Upgrade

11:20 A.Aksoy/S.Ozkorucuklu- Open Topic

12:00 Discussion

12:30- 14:00 Lunch

14:00 Open Discussion

16:00 Closing Remarks (Michel/Ozkorucuklu/DeSandre)