



Elettra Sincrotrone Trieste

POCPA6

Power Converters for Particle Accelerators Closing Remarks

2008-2018: the 10th Anniversary

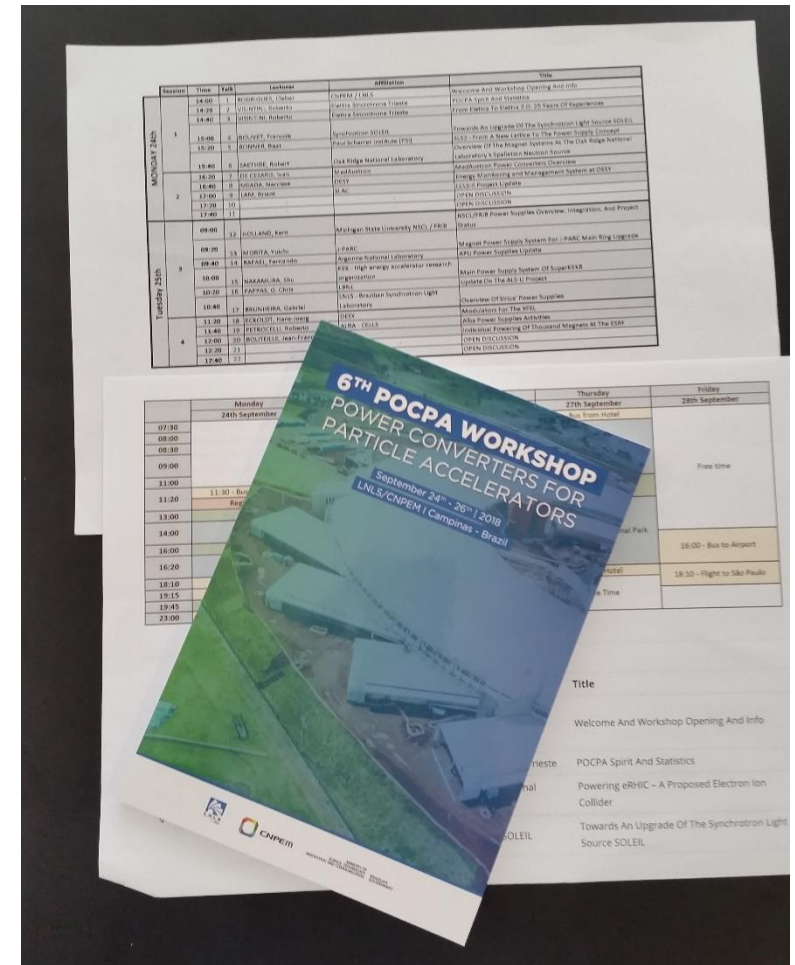
Roberto Visintini

Elettra Sincrotrone Trieste

POCPA6, what to say?

The “POCPA Spirit”

- ⇒ Informal
- ⇒ Exchange of ideas and sharing good and bad experiences in the field of Power Converters
- ⇒ COMMUNITY



POCPA6, what to say?

6TH POCPA WORKSHOP POWER CONVERTERS FOR PARTICLE ACCELERATORS

September 24th - 26th | 2018 | LNLS/CNPEM | Campinas - Brazil

TIMETABLE

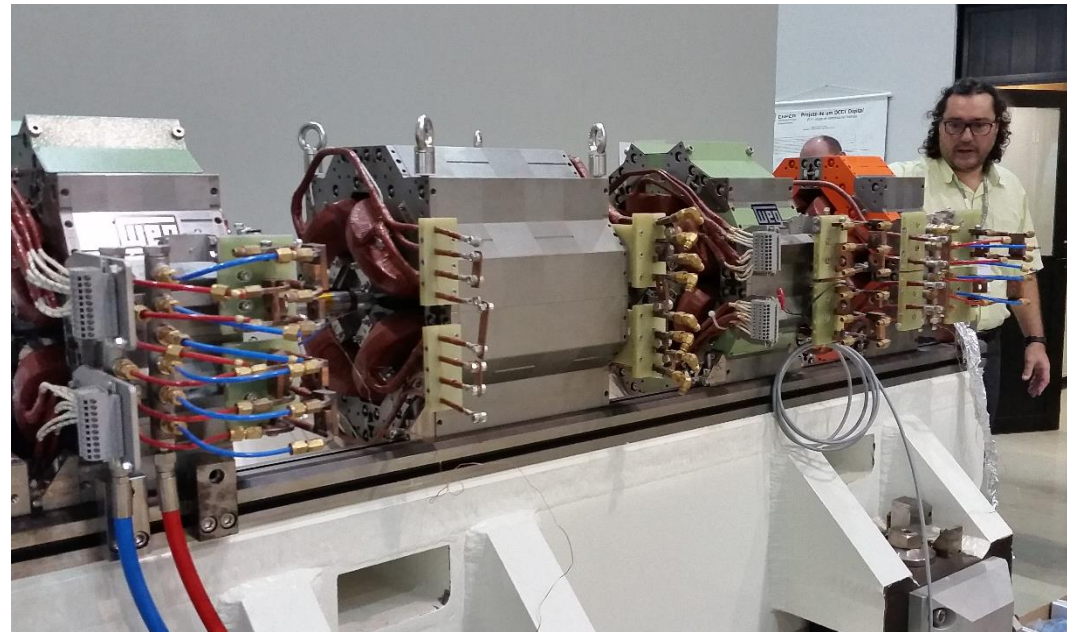
Session	Time	Talk	Lecturer	Affiliation	Title
Monday 24th	14:00	1	HOLMIGRASS, Cebser	LNLS - Brazilian Synchrotron Light	Welcome And Workshop Opening And Info
	14:30	2	VISINTINI, Roberto	Elettra Sincrotrone Trieste	POCPA Again And Statistics
	14:40	3	LAMBASE, Robert	Brookhaven National Laboratory	Powering eRHIC - A Proposed Electron Ion Collider
	15:00	4	BOUVET, Franck	Synchrotron SOLEIL	Towards An Upgrade Of The Synchrotron Light Source SOLEIL
	15:20	5	ROSENER, Ben	Paul Scherrer Institute (PSI)	SL2 - From A New Lattice To The Power Supply Concept
	15:40	6	VISINTINI, Roberto	Elettra Sincrotrone Trieste	From Letters To Elettra 20-25 Years Of Experiences
Tuesday 25th	16:20	7	SATHRE, Robert	Oak Ridge National Laboratory	Overview Of The Magnet Systems At The Oak Ridge National Laboratory's Spallation Neutron Source
	16:40	8	DECEASARS, Ivan	MedAustron	MedAustron Power Converters Overview
	17:00	9	-	-	Available For
	17:20	10	-	-	OPEN DISCUSSION
	17:40	11	-	-	OPEN DISCUSSION
	08:00	12	ISOLAND, Kent	Michigan State University NSCL / FRIB	INCL/FIB Power Supplies Overview, Integration, And Project Status
Wednesday 26th	09:30	13	MOGITA, Toshi	J-PARC	Magnet Power Supply System For J-PARC Main Ring Upgrade
	09:40	14	TAMMEL, Fernando	Argonne National Laboratory	APU Power Supplies Update
	10:00	15	NAKAMURA, Ikuo	KEK - high energy accelerator research organization	Main Power Supply System Of SuperKEKB
	10:20	16	PAPPAS, E. Chris	BNL	Update On The ALS-U Project
	10:40	17	BRUNNERA, Gabriel	LNLS - Brazilian Synchrotron Light Laboratory	Overview Of Sirius' Power Supplies
	11:20	18	ECOLOU, Thomas	DESY	Modulators For The XFEL
Thursday 27th	11:40	19	PETROCELLI, Roberto	ALBA - CELLS	Alba Power Supplies Activities
	12:00	20	BOURVILLE, Jean-Francois	ESRF	Individual Powering Of Thousand Magnets At The ESRF
	12:20	21	-	-	OPEN DISCUSSION
	12:40	22	-	-	OPEN DISCUSSION
	09:00	23	OKI, Toshiyuki	KEK	High-Stability Power Supply System For SuperKEKB Final Focus Superconducting Magnets
	09:20	24	AGUIGA, Davide	CERN	Modular Switching And Capacitor Discharge Power Converters At CERN For Injector Integration With A Wide Magnet Variety
Friday 28th	09:40	25	BUTON, Ryan	Michigan State University NSCL / FRIB	FIB Power Supplies Status And FIB "Digital" ODCCT Integration To The Fast Machine Protection System
	10:20	26	MARINO, Michele	J-PARC	New Power Supply For Handling Magnets In J-PARC Main Ring
	10:40	27	LEUNG, Arthur Chun Ming	CERN	Admission Model For Superconducting Magnets For Power Converters Control
	11:20	28	US, Chris	TRUMPF	TRUMPF Celerion Main Magnet Power Supply Replacement
	11:40	29	AGUIGA, Davide	CERN	Improvement For A Fast Corrector Power Supply In LPS
	12:00	30	ROSENER, Ben	PSI	CERN's Standalone Control Electronics For The Efficient Integration Of Using Heat From The Cryocooling Plant
Saturday 29th	12:20	31	ECOLOU, Thomas	DESY	Power Converters In Particle Accelerators
	12:40	32	VISINTINI, Roberto	Elettra Sincrotrone Trieste	Available For Closing Remarks And Proposals For POCPA7

Intense and dense Program

⇒ 6 sessions

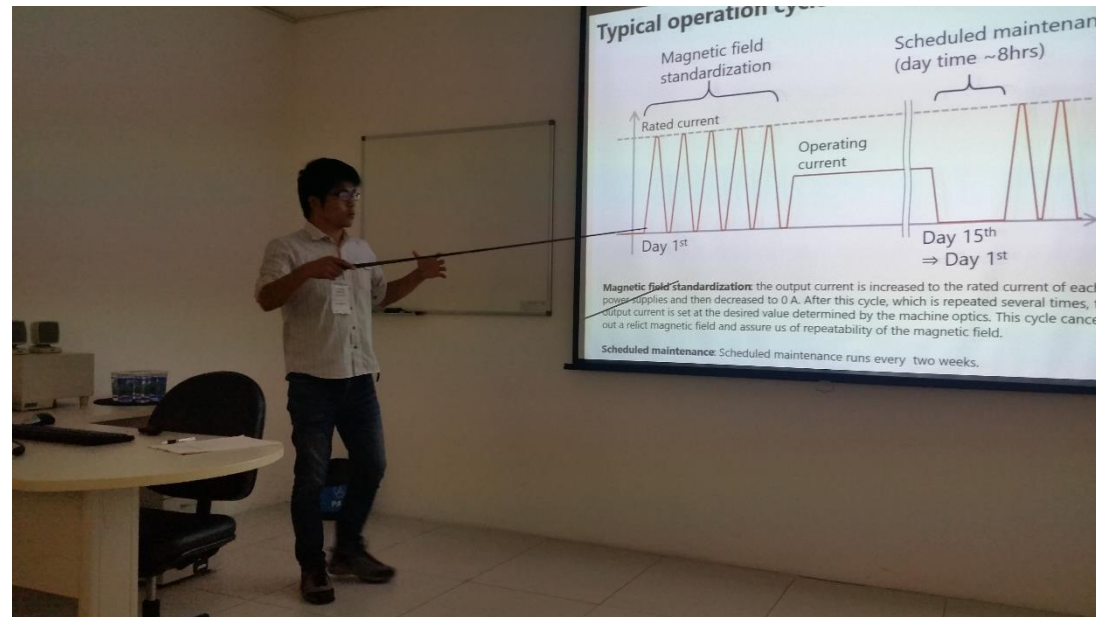
⇒ 27 Talks

⇒ 3 Technical Visits





...Talks...





Elettra
Sincrotrone
Trieste

...Visits...



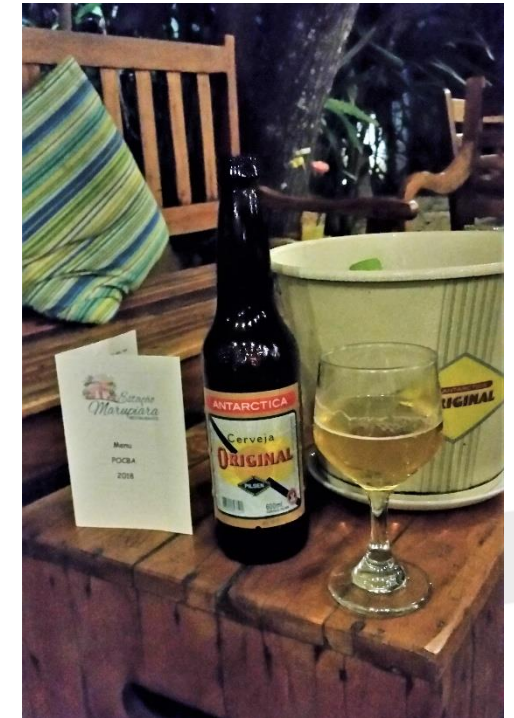
...transports...



... Visits ...



...socializing...



Proposal for POCPA7

- ⇒ New Accelerators design and upgrade require ~1000 or more power converters
- ⇒ MTBF $>10^5$ or 10^6 hour

Main Topic:

“Reliability”

POCPA7 – 2020: WWW

Where

APS, Argonne, Illinois - USA

When

“Fall” (late September) 2020

Who...

...wants to candidate for 2022? (in Europe?)

Acknowledgments

✓ The Scientific Committee

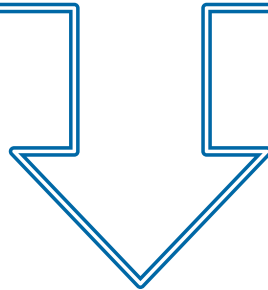
- Frederik Bordry, Jean-Francois Bouteille, Jean-Paul Burnet, Hans-Joerg Eckoldt, Rene Kuenzi, Bob Lambiase, Ju Wang, Cleber Rodrigues and Roberto Visintini

✓ The Lecturers

✓ **YOU, the participants!**

Acknowledgments

- ✓ Our hosting facility, **LNLS**
- ✓ The Local Committee and PS staff at LNLS
 - Cleber and all his collaborators



Congratulations for the great organization and thanks for the **UNIQUE hospitality**



Elettra
Sincrotrone
Trieste

See you in 2020!!!

Thank you!