Minutes

Boaz Nash (ESRF) and Laurent Nadolski (SOLEIL)
AT side meeting IPAC 2017
May 17, 2017

Diffusion List: participants + AT diffusion list + MML diffusion list

The meeting was attended by almost 30 people represented most of the laboratories using MatlabMiddleLayer and Accelerator Toolbox.

Slides of the presentations are available to the community
dropbox link: https://goo.gl/voojbB

All attendees agree with the strategy presented

- Only AT 1.4 will be maintained from now on with evolution to version 2.0 in the coming months
- This version contains mainly important contributions, new features, capabilities of AT (see presentations).
- Local contribution to AT 1.3 are welcome for integration in the AT on demand (cf. pubtools directory and more)

Most of the laboratories express strong interest and will test AT 1.4 and will evaluate how easy it is to migrate to this version as production version.

Documentations and useful resources

- All AT functions are provided with a detailed header and usage information
- Simple documentation is already available in AT 1.4 and on the ATcollab website
- Contributions from other laboratories are very much welcome (AT training, University class materials about the physics involved in AT and so on so forth). AT 2.0 will make them all available to the community.

Contributions identified

- GA-based algorithm (Xiaobiao Huang/SLAC): MOPSO and RCDS algorithms
- IBS (Xiaobiao Huang/SLAC)
- Survey routine, converters, 3D-plotting routine, frequency map (Changchung Sun/ALS)

Interest to get

- TPSA in AT
- 6D Radia kick + radiation in AT
- CSR in AT (possible with Simon White's work at ESRF)

Python version of AT

- Several laboratories express interest (E. Tan/Australian light source, Y Li/ NSLS-2, etc.)
- NSLS-II has its own flavor of AT-python version

Call for having a critical mass of laboratories involved in the maintenance and development of AT besides ESRF, SOLEIL and LAL.

- E. Tan for Australian Light Source
- Others are welcome

Post version 2.0

- License: a simple license Apache or MIT is suggested
- Migration for SVN to GIT and Github

Resources

https://sourceforge.net/projects/atcollab/
http://atcollab.sourceforge.net/index.html

http://www2.als.lbl.gov/als_physics/portmann/MiddleLayer/

AT mailing list: atcollab-general@lists.sourceforge.net
To join: https://lists.sourceforge.net/lists/listinfo/atcollab-general

Participant List

Name	Laboratory	Email
Ji Li	HZB	ji.li@helmholtz-berlin.de
Teresia Olsson	MAX IV	teresia.olsson@maxlab.lu.se
Ward Wurtz	CLS	ward.wurtz@lightsource.ca
Benjamin Kehrer	KIT	benjamin.kehrer@kit.edu
Xiaobiao Huang	SLAC	xiahuang@slac.stanford.edu
YongJun Li	BNL	yli@bnl.gov
Marie-Agnès Tordeux	SOLEIL	marie-agnes.tordeux@synchrotron-soleil.fr
Alexandre Loulergue	SOLEIL	alexandre.loulergue@synchrotron-soleil.fr
Joachim Keil	DESY	joachim.keil@desy.de
Jonas Kallestrup	ISA	Jonas.kallestrup@post.au.dk
Julian Gethmann	KIT	julian.gethmann@student.kit.edu
Iryna Chaikovska	LAL	chaikovs@lal.in2p3.fr
Magnus Sjöström	MAXIV	Magnus.Sjostrom@maxlab.lu.se
Ian Martin	DIAMOND	ian.martin@diamond.ac.uk
Marco Apollonio	DIAMOND	marco.apollonio@diamond.ac.uk
Will Rogers	DIAMOND	will.rogers@diamond.ac.uk
Maher Attal	SESAME	maher.attal@sesame.org.jo
Thapakron Pulampong	Siam Light Source	thapakron@slri.or.th
Porntip Sudmuang	Siam Light Source	porntip@slri.or.th
Eugene Tan	Australian Light Source	eugene.tan@synchrotron.gov.au
Gabrielle Benedetti	ALBA	gbenedetti@cells.es
Changchun Sun	ALS	CCSun@lbl.gov

Nawin Juntong	Siam Light Source	nawin@slri.or.th
Boaz Nash	ESRF	boaz.nash@esrf.fr
Nicola Carmignani	ESRF	nicola.carmignani@esrf.fr
Laurent NADOLSKI	SOLEIL	nadolski@synchrotron-soleil.fr