



<http://www.aaa-sentan.org.jp>

Advanced Accelerator Association (AAA)
Promoting
Science and Technology

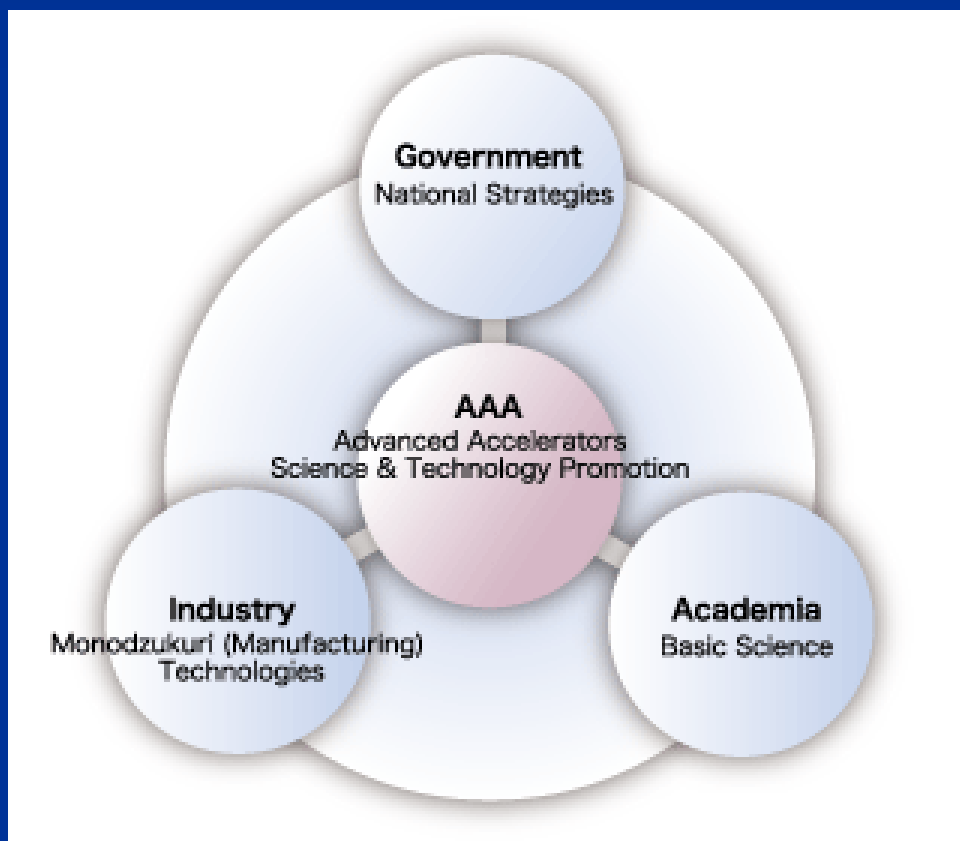
- Activities with Technology Group -

Michitaka Ono and Akira Yamamoto
(AAA)

To be presented at IPAC-10 Satellite WS, March, 23, 2010

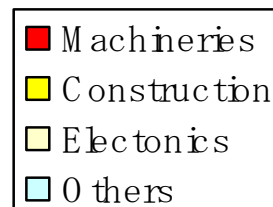
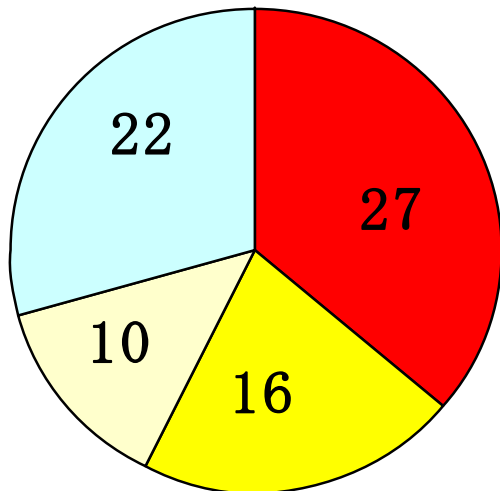
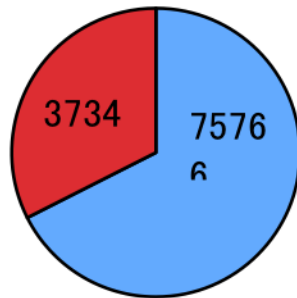
AAA established in 2008

- In collaboration of
 - Industries – Government – Academia



AAA Member as of April 1, 2010

Total 112



【 Academia 】

KEK
RIKEN
JAEA
Tokyo University
Tohoku University
Kyoto University, and
Others

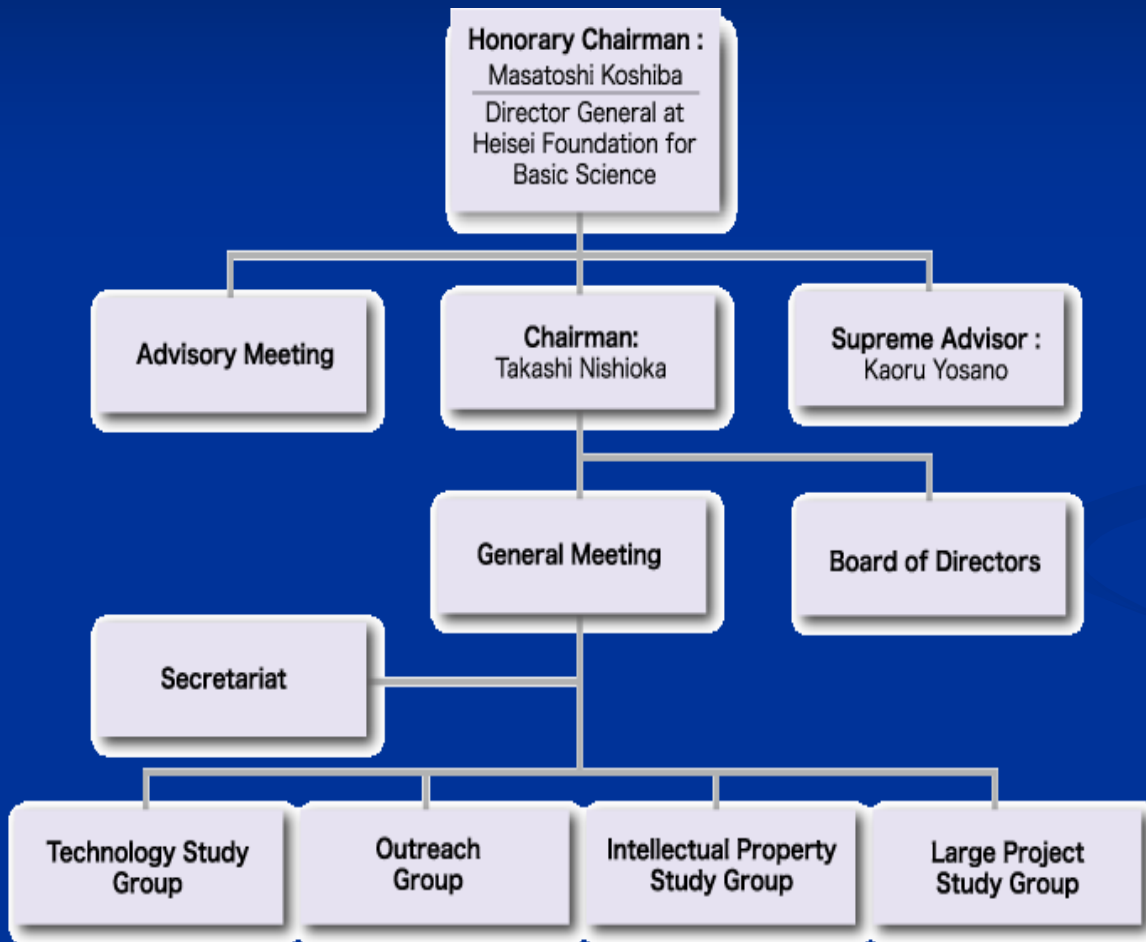
【 Industries 】

M H I
Toshiba Co.
Hitachi Ltd
Mitsubishi Electric Co
KASHIMA Co
IBM Japan , KYOCERA
TEPCO, and
Others

AAA motivated to

- Promote science and technology with joint effort with **Industries-Government-Academia cooperation**,
- Seek for and **create industrial applications** of advanced accelerator technologies, in such fields of
 - Advanced material, biotechnology, medical use, and various innovative applications

Organization and Activities



Group

Activities:

- Technologies
- Outreach
- Intellectual Properties
- Large Projects

Technology Group Activities

Organization

- Steering in cooperation of academic organization and industries
 - Chair: From KEK
 - Deputy Chairs From Industries

Activities:

- Lectures/ Seminar Series
- Working groups:
 - Superconducting Accelerator Technology
 - Conventional Facilities

Lectures and Seminars

#	Dates	Focusing	Themes
1	2008-08-29	Basic	Introduction for Advance Accelerator
2	08-09-16	Basic	Status of SC Accelerator Technology and Prospect
3	08-10-08	Basic	Accelerator and Conventional Facility Technology
4	08-10-29	Basic	Superconducting RF Cavity Technology
5	08-11-12	Basic	High-Level RF Technology
6	08-12-19	Appl.	Adv. Accelerator and Synchrotron Radiation Science
7	09-01-14	Basic	Adv. Accelerator and Cryogenic Engineering
8	09-02-18	Appl.	Adv. Accelerator and Neutron Science
9	09-03-18	Basic	Adv. Accelerator and Control/Instrumentation
10	09-05-13	Appl.	Industrial technology and application supporting A. Acc.
11	09-07-27	Basic	General activity reports
12	09-10-28	Appl.	Adv. Accelerator and Medical Application
13	10-02-10	Appl.	Adv. Accelerator and Laser Science and Application
14	10-04-15	Project	ILC R&D Progress and Prospects

Superconducting Accelerator Technology WG

WG	#	Dates	Subjects
SC	WG1	09-04-08	Nb material, Surface cleaning
SC	WG2	09-06-04	Ceramics Electron Beam Welding
SC	WG3	09-09-10	Cavity fabrication
SC	WG4	10-01-14	Cavity surface polishing
SC	WG5	10-5-20	Cavity fabrication: pressing and blanking

Outlook from SC Acc. Tech. WG (recmmendation):
Industrialization study: Cavity Fabrication R&D Facility

Conventional Facility WG

WG	#	Dates	Subjects
CF	WG1	08-10-08	WG Study subject discussed
	WG2	08-11-14	SNS, BNL, FNAL visiting and their reports
	WG3	09-01-16	Civil engineering, conventional facility subjects
	WG4	09-05-13	Study
	WG5	09-09-10	Study of mountain region (started
	WG6	09-10-23	Study
	WG7	09-11-30	Study
	WG8	10-02-01	Study and report.
	WG9	10-04-15	Report

Outlook from CF WG (report/recommendation) :
“Tunneling and CF in mountain regions”

Summary

- AAA has been formed and actively functioned in cooperation of Industries – Government – Academia, since 2008,
- AAA and the Technology Group actively working on :
 - Lectures/ seminars, and
 - Task forces with Working groups (WG) on “SCRF accelerator technology” and “Conventional Facility” to promote innovative application of Advanced Accelerator Technologies and to assist to realize ILC in near future.