HEP Software Collaboration meeting

Report of Contributions

Contribution ID: **0**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Welcome from CERN Director of Research

Thursday 3 April 2014 09:00 (15 minutes)

Presenter:　BERTOLUCCI, Sergio (CERN)

Session Classification:　Morning session

Contribution ID: **1**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Vision behind the HEP Software Collaboration Initiative initiative

Thursday 3 April 2014 09:15 (45 minutes)

- stakeholders and what each expects from such a collaboration (users, developers, management, funding agencies)
- added value that a collaboration would bring to HEP development activities
- challenges posed by experimental programmes and changing computing landscape;
- goals include clean-up of existing software and improving its performance by large factors; fostering new projects
- engage community to exploit expertise and effort available; seek new funding opportunities;
- promote the use of external software and collaboration with other scientific software domains

Presenter: Dr MOUNT, Richard Philip (SLAC National Accelerator Laboratory (US))

Session Classification: Morning session

Contribution ID: **2**   Type: **not specified**

Recent HEP experience developing common software packages

Thursday 3 April 2014 10:00 (45 minutes)

- inventories of packages that are currently used in HEP experimental programmes
- how packages typically appear through recent examples
- connections with other fields
- options and benefits of (re-)organising activities as either large or small scale projects

Presenter: Dr ELMER, Peter (Princeton University (US))

Session Classification: Morning session

Contribution ID: **3**   Type: **not specified**

Model for organising and supporting development activities

Thursday 3 April 2014 11:15 (1 hour)

- establish an architectural blueprint and common language of terms
- define ways to ensure interoperability of components developed in the context of the collaboration
- establish guidelines for software processes and tools
- outlook for technologies that need to be embraced and existing software domains that need attention
- adoption of standards to ensure quality and performance
- identify synergies between existing HEP projects and prospects for collaboration outside HEP

Presenter: Dr MATO VILA, Pere (CERN)

Session Classification: Morning session

Contribution ID: **4**   Type: **not specified**

Governance Model

Thursday 3 April 2014 14:00 (1 hour)

- leverage experience of managing existing collaborations to establish a governance that is effective but not overly burdensome
- propose leadership roles (spokesperson(s), Chief Technology Officer, …)
- propose bodies needed for:
    - managing technical work on a day to day basis (Technical Board)
    - monitoring progress and ensuring scientific mission is carried out (Scientific Advisory Panel)
- roles for managing development infrastructure (librarian, documentation,release management, ..)
- roles that need to be filled to ensure high standards are maintained (QA, performance ..)
- propose viable way(s) of launching the collaboration and identifying follow-up steps

Presenter: Dr SPENTZOURIS, Panagiotis (Fermilab)

Session Classification: Afternoon session

Contribution ID: **5**   Type: **not specified**

Discussion Session

Friday 4 April 2014 09:00 (1h 30m)

Discuss basic roadmaps and priorities.
Contributions from the floor are invited, either prepared or spontaneous.

Presenter: Mr CARMINATI, Federico (CERN)

Session Classification: Morning session

Contribution ID: **6**　　　　　　　　　　　　　　　　　　Type: **not specified**

Wrap-up and conclusions

Friday 4 April 2014 11:00 (1h 30m)

Summary will be given of what was discussed and agreed during the meeting.
This session should identify action items and agree next steps to be followed.

Presenter: Mr CARMINATI, Federico (CERN)

Session Classification: Morning session

Contribution ID: **8**   Type: **not specified**

Funding Opportunities for new software proposals

Thursday 3 April 2014 15:30 (1h 15m)

One of the collaboration's goals should be fostering proposals for new software initiatives, bringing together people from different labs, HEP programmes etc. to work together on new projects.

Contributions are invited in order to review prospects of using new funding programmes to facilitate this e.g.

o EU Horizon 2020
o US DOE and NSF
o Asia: Japan, Korea, India, ⋯.
o ⋯

Session Classification: Afternoon session

Contribution ID: **9**   Type: **not specified**

Discussion

Thursday 3 April 2014 16:45 (45 minutes)

Session Classification: Afternoon session