

# ?? Questions ??

1. What's the prospects for quantum computing in the Grid and Cloud areas?
2. What do you think is the major challenge regarding security that Grid and Cloud have to face for the future?
3. Do you see any potential alternatives to the grid/cloud computing approach in HEP that so far has been employed in the past and is foreseen to be used in the next decade?
4. What kind of impact do you think grid/cloud technology will have on the "ordinary" end user (as in computer user, not physics end user)?
5. There will be further models in addition to SaaS, PaaS, IaaS (and the other variants)? Will the future be an "Anything-as-a-service" (XaaS)?
6. Some relevant Cloud concerns are about security and Service Level Agreement, as well as Cloud interoperability. Could an improvement and a better specification of them boost the growth of Cloud?
7. What were your software development experiences? Are there any solution design considerations or implementation practices that are crucial for a successful project
8. Is there a way to address the divide that exists between physicists and computer scientists?
9. In the "Middleware" seminar on Friday, a comment was put forward that virtual environments would not scale for HPC Cloud infrastructures. Would it be possible to clarify or elaborate on this?
10. Are there any questions being raised about energy efficiency in networking? Such as seen in the research on energy consumption within Wireless Sensor Networks or HPC.

10. CPU and RAM resources are quite elastic on the cloud, we saw that network is on its way. Is there any effort being done for truly elastic (cloudish) fast storage i/o?
11. Scientific cloud applications are not ready for prime time: for example we can not just yet do a full data reduction and analysis from a mobile device. Is it reasonable to think that in a few years we could do so? Is all cloud middleware ready to support intensive and interactive data processing applications?
12. Will there be any conflict of interest for domains/service providers participating in SDNs?