

The ATLAS Computing Agora : a resource web site for citizen science projects

Thursday, October 13, 2016 4:30 PM (15 minutes)

The ATLAS collaboration has recently setup a number of citizen science projects which have a strong IT component and could not have been envisaged without the growth of general public computing resources and network connectivity: event simulation through volunteer computing, algorithms improvement via Machine Learning challenges, event display analysis on citizen science platforms, use of open data, etc.

Most of the interactions with volunteers are handled through message boards, but specific outreach material was also developed, giving an enhanced visibility to the ATLAS software and computing techniques, challenges and community.

In this talk the Atlas Computing Agora (ACA) web platform will be presented as well as some of the specific material developed for some of the projects. The considerable interest triggered in the public and the lessons learned over two years will be summarized.

Title:

The ATLAS Computing Agora : a resource web site for citizen science projects

Abstract:

The ATLAS collaboration has recently setup a number of citizen science projects which have a strong IT component and could not have been envisaged without the growth of general public computing resources and network connectivity: event simulation through volunteer computing, algorithms improvement via Machine Learning challenges, event display analysis on citizen science platforms, use of open data, etc.

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Primary Keyword (Mandatory)

Outreach

Secondary Keyword (Optional)

Tertiary Keyword (Optional)

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