

MaGIC May 12-13, 2015 Discussion/Suggestions

--When people present, they should show some data and explain how that connects with their animations. Important to show the results of the simulation/technical data (e.g. the force on a vehicle) rather than just pretty pictures

-Just basic info on simulation time and run time

--Is it worth holding MaGIC every six months, or is once a year all that is needed?

-Could we possibly bundle with another conference? (E.g. SAE or ASME)—It might be too hard to accommodate the diverse interests of people who attend MaGIC.

-Does 6 months give the research community enough time to produce significant results worth reporting? Response: MaGIC is not necessarily an opportunity to showcase research, so much as an opportunity to get together and talk. As long as the group of speakers is fresh each time, there is no need to have new research to report.

-6 months is okay for most people

-Keep in mind constraints related to finding hotels and reserving rooms in time; December and May seem to be the best times of year given these constraints.

--Talks should have more focus on water, as opposed to just vehicle-ground interaction:

-Possibly the talks will place more emphasis on FSI in December→David Hammen from Intuitive Mechanics

--Dan's suggests bringing back people from NVIDIA to talk about their plans in the next 2-3 years (e.g. memory bandwidth, latency, etc):

-Someone from NVIDIA would give one talk; this would mean NVIDIA would likely sponsor MaGIC

-Question: How much can NVIDIA actually show? How much will everyone benefit from NVIDIA's presentation?

-It is good to have talks from outside the interests of the group, but is NVIDIA the right choice for this?

--Possible talk topic: cloud computing

-Relevant to many MaGIC participants; everyone agrees that there are lots of cloud computing issues that are very relevant to modeling and simulation.

-Bob Ryan might be able to get Rescale or Penguin to sponsor a meeting→Dan to follow up with Bob on this possibility

--Other potential topics for the next MaGIC meeting in six months (December 2015):

-Advanced computing and cloud computing

-Fluid-Solid Interaction (possible talk by David Hammen from Intuitive Mechanics)

-F-Tire, CD Tire, or some other company that develops tire-modeling software→how much are they emphasizing off-road?

-Antonio Martin Recuero from Computational Dynamics, Inc. to talk about what he is working on

-Data analytics and machine learning are a very relevant topic to the MaGIC community → Dan refers to the Baidu talks at NVIDIA GTC.

-MSC could send someone to give a talk on simulation data management

-Numerical integration, especially Lie group techniques

-Keven suggests that as part of registration, we should ask you would be willing to present and compare this against what people want to see presented → this will allow us to gauge if 6 months is too often to meet

--Update from Dan: Dan, Radu, and other SBEL colleagues working on the launch of a distance learning Masters program in Applied Computing for Engineering Data Analytics

-3 year program at 30 credits, leading to Masters of Engineering degree

--Dan will work on uploading all of the presentations online: no one in the room is against uploading their presentations to the event webpage