

## Sharing of Individual or Group Projects

10:30 AM to 12:30 PM, Friday, August 22

“Knowledge in the world is exploding. Up until this point we had subjects, and people would identify themselves with what I call the vertices of a graph. One vertex would be mathematics. Another vertex would be biology. Another vertex would be computer science, a new one. There would be a physics vertex, and so on. People identified themselves as vertices, because these were the specialties. You could live in that vertex, and you would be able to understand most of the lectures that were given by your colleagues.

Knowledge is growing to the point where nobody can say they know all of mathematics, certainly. But there's so much interdisciplinary work now. ... My model of the future is that people won't identify themselves with vertices, but rather with edges—with the connections between. Each person is a bridge between two other areas, and they identify themselves by the two subspecialties that they have a talent for.”

- Donald Knuth (*Communications of the ACM*, August 2008, p. 35)

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The summer school will provide you with knowledge and hands-on experience in developing applications for processors with massively parallel computing resources. Successful application projects will likely require expertise from multiple disciplines. At the end of the week, we want to give you an opportunity to share your ideas on using GPU and multicore technology to accelerate science and engineering applications.

**We want to make this sharing of projects or ideas to be original, creative, and short.**

We encourage you to form a team of up to 4 people. As a starting point, we assigned your seat next to someone from another institution. If you would rather just share your own M.S. or Ph.D. research project utilizing GPU, then that is fine, too.

Since there are 44 summer school participants, there could be 11 possible teams.

We want to give each team about 5 to 8 minutes. This will allow everyone to participate as well as allow time for questions. For this sharing, your team may create a few PowerPoint slides. Or, your team may just talk about a vision through a narrative or an image. We will leave this up to you.

Please note that the team is for the purpose of brainstorming on project ideas. You are not obliged to stay with the team after Friday.

**Please let us know your team members by Thursday (August 21) morning.**