CHIUW Community/Panel Discussion

May 23th, 2014



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Discussion Format

Questions assembled from input of interested parties

• Chapel enthusiasts and Cray execs

This is intended to be a whole group discussion

• Panelist are here to jump start the discussion



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What are the three most important things that Chapel and the community need to do in the next four years in order to increase the user base and maximize the chances of success? Alternatively, what are the top three things currently inhibiting the rate of Chapel adoption?

contributed by: Pete Ungaro, Peg Williams



Is there a *killer* application space for Chapel (potentially outside of HPC) with strong community support that could help build support for the language? If so, how do we tap into that community?

contributed by: Rob Neely



Are there lessons from the adoption (or failure) of other largely communitysupported languages (e.g. Python, Ruby) that Chapel could learn from to attract wider support, and avoid becoming a footnote in the history of programming languages? Do you believe this is possible in the HPC field?

contributed by: Rob Neely, Jens Brietbart



What future capabilities of expected, presumed, and rumored large scale computing systems (supercomputers, clusters, cloud, etc.) do you see directly impacting the ability of Chapel to provide acceptable performance?

contributed by: Richard Barrett, Thomas Van Doren



What model of collaboration should we adopt as we move Chapel to become a community-controlled project? Should there be separate models for the language specification and the actual implementation?

contributed by: Tom Hildebrandt



Domain Specific Languages (DSLs) have regained popularity recently. Could Chapel and its multi-resolution philosophy be used as the foundation for building DSLs?

contributed by: Peg Williams



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