



HPCS Study Overview

CMSC 818S
February 10, 2004
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Overview



- **You will be participating in a study during this class:**
 - Done in conjunction with the larger HPC community
 - Goal of understanding how people solve HPC problems and where they spend their time
- **Independent Research Team**
 - Dr. Basili, Dr. Zelkowitz, Dr. Carver, Dr. Asgari, Dr. Shull, L. Hochstein
- **Data will be collected throughout semester**
 - Background Survey
 - Effort/Activities during development
 - Questionnaire/Interview after assignments





Forms For Today



- **Consent form**
 - Allows the research team to use the data collected during this study (anonymously)
- **Background Survey**
 - Allows the research team to better understand the types of experience and knowledge you have at the beginning of the class
 - Please be as honest and accurate as possible
 - Dr. Sussman **will not** see this data until after the semester and it **will not** affect your grade
 - Weblink for survey:
http://care.cs.umd.edu:3555/CMSC818S/Background_Questionnaire.html





Data Collection



- When you compile your program, you will be prompted with the following questions:
 1. How long in minutes have you been working before this compile? (Hit enter if you have been working continuously since last compile)
 2. Reason for Compile
 1. Learning/Experimenting with compiler
 2. Adding functionality (serial code)
 3. Parallelizing code
 4. Improving performance (tuning)
 5. Compile-time error on previous compile
 6. Run-time error on previous run (incorrect behavior, crashed, hung, etc...)
 7. Other (You will be asked to supply a reason)
- All information will be collected by the research team will **not be seen** by Dr. Sussman until after the semester. It will **not** affect your grade.





Questions?



Please email me with any questions

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