

# Schedule of the ACAR Workshop

## Sunday, February 21st

**6:00pm** : *Dinner*

- Welcome
- Goals and charter. Distribute the schedule.
- Keynote #1: George Almasi (IBM Research)
  - [What were they thinking? - a system programmer's approach to bridging the gap between software and hardware](#)

## Monday, February 22nd

**8:30am** : *Introduction*

- Welcome
- Detailed discussion of the goals/charter/schedule

**9:00-9:45am** : Keynote #2: Jim Larus (Microsoft Research)

- [Should We Fear Concurrency?](#)

**10:00am-noon** : *Attendees introduce their position papers with presentations (7 min each)*

**12:00-12:30pm** : *Lunch*

- Assign attendees in groups

**12:30-2:30pm** : *Breakout in groups to address the key questions (Rooms 1202,2109,2217,3109)*

- General questions: (2-3 slides)
  - What are the computer architecture (CA) challenges to be solved by 2020-25 to enable ubiquitous parallel software systems?
    - What do the platforms look like?
    - What do the programming models look like?
    - What are the big questions that must be addressed?
  - What role do CA academics have in enabling ubiquitous parallel software systems?
    - On what horizon do we research?
    - What methodologies?
    - How do we make our output (ideas, students) relevant?
    - With what resources? If public funding, what is the case-for?
- Questions about the particular area assigned: (4 slides)
  - What is the detailed research program and roadmap?
  - What will the deliverables be at the program level?
  - Is the assigned area one of the 4-6 Recommended Research Thrusts by itself / should we combine / not discuss it?
- Optional: Are there other areas we should be focusing on (1-2 slides)?

**3:00-4:30pm** : *Plenary with one presentation per group*

- Group discussion

**4:30-5:45pm** : *Groups reconvene. Possible group reassignment*

- Rework based on feedback
- Expand and structure the material for the final report (see outline document)

**6:15pm** : *Working dinner*

- Panel: Funding agency perspectives for parallel CA research in the next 10-15 years
- Panelists: Program directors from the funding agencies

## **Tuesday, February 23rd**

**8:30am** : *Reconvene, converge on the proposed Research Thrusts*

**8:45-10:00am** : *Breakout in groups.*

In addition to the several Research Thrusts groups, add three more groups:

- Educational Perspective
- Industry Collaboration
- Funding Collaborators (Bill Feiereisen, lead)

Each of the groups uses the template from the Outline of the ACAR Final Report (chapters 3.x, 4, 5, and 6, as seen below) to create:

- Set of slides for its chapter of the report
- Initial write-up of its chapter of the report

Post the materials to the web so that they can be viewed by the attendees

**10:15am-12:15pm** : *Plenary:*

- Each group presents (slides and initial write-up are posted in the web)
- Group discussion and feedback
- Hard Stop at 12:15pm

**12:15-1:00pm** : *Lunch*

**1:00-3:30pm** : *Breakout (Rooms 2109,2231,4109,4219)*

- Each group finishes up the slides and the chapter of the report

**3:45-4:45pm** : *Plenary: Critique and assembly*

**4:45-5:00pm** : *Discussion and social (Beer and wine)*

- feedback and next steps