1998-99 NCDA Design Concept Review

• All presentations will be in the Presentation Room of the Composites Center on Tuesday, 1 Dec., or Thursday, 3 Dec., from 2:00 to 6:00 p.m.

• This oral design concept review is similar in style to the previous two presentations. We view this presentation as a design review justifying continuation of your best concept.

• Essentially, we are looking for a complete summary presentation of:
  • Background, Mission, Approach,
  • Customers, Wants, Constraints, System Benchmarking,
  • Quality Metrics/ Functional Benchmarking/ Target Values,
  • Concept Generation/ Derivation from Critical Functions,
  • Concept Selection (Use SSD, sketches, materials list, and both physical testing and engineering analysis to explain your rationale. Use a "working physical model" to illustrate critical geometrical or functional relationships.),
  • Schedule (Include actual time spent related to your previous estimate, plus specific Spring details linked to critical tasks.)
  • Budget (This budget will include estimated engineering and shop hours and all anticipated parts and equipment expenditures.)

• The timing for this session will be:
  15 min. Presentation by design team.
  7 min. Discussions with review board.
  8 min. Grading/ Break

• This meeting will be open to the general public and to NCDA staff engineers, who are required to review at least two other presentations, turn in their log books, and turn in the final fall peer evaluations. Customers must be invited formally in writing. Again, each team will submit its charts via SERF by 5:00pm on Monday, 30 November.

• Be prepared to discuss your ideas and your physical model in depth with the review board during the discussion session. Along with the feeling that you are heading towards a viable solution, we must get the impression that you understand the physical system associated with your design.