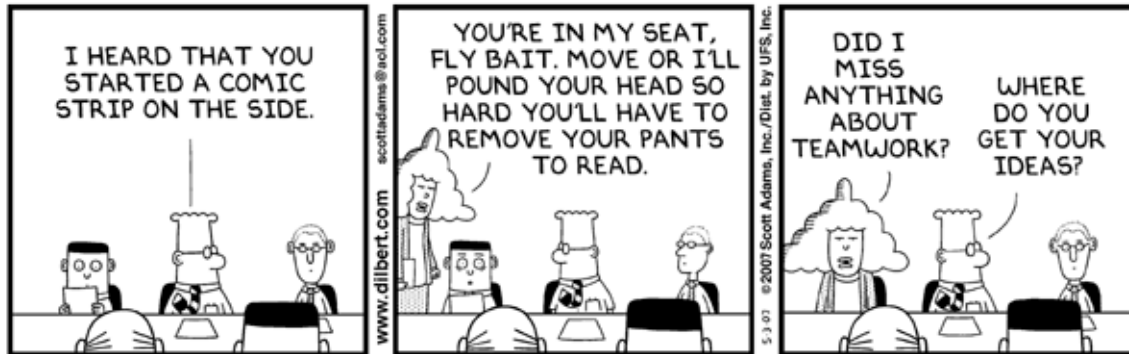


Team Dynamics Panel Details



© Scott Adams, Inc./Dist. by UFS, Inc.

Summary

The student capstone design experience and the quality of results obtained for the project sponsors is maximized when principles of human teamwork are acknowledged and guided, rather than left to chance. This diverse panel, composed of faculty, industry, and student stakeholders, will provide a lively, revealing, and refreshing interactive forum to discuss teamwork and better preparation of our students as they enter their chosen fields. Practical ways for attendees to adopt techniques appropriate to their philosophy and academic mission will be offered. Topics will include student preparation for capstone design, personality profiling, team formation/building techniques, performance measures, guidance, and the role of mentors.

Session information

Date: Thursday, 14 June
Time: 1:30 PM to 3:00 PM
Room: ECCR 265

Panel format

A computer with PowerPoint 2003 will be available. Each panelist will have 8 minutes to provide a presentation and/or opening comments. After the panelists conclude their remarks, the moderator should direct the audience to interact with the panel. The moderator may wish to prepare some leading questions for the panel—perhaps even posing these questions in his opening remarks. The moderator has the additional responsibilities of collecting the audience presentation ratings form, recommending a panelist paper for possible publication in an ASEE online journal, and providing summative comments on the session to Keith Stanfill, the “Institutionalizing” track chair (a few bullets capturing current best practices discussed and opportunities for further research).

Moderator/Chair

Douglass J. (Doug) Wilde, Professor Emeritus of Mechanical and Chemical Engineering at Stanford University, was educated at Carnegie-Mellon and the Universities of Washington (Seattle) and California (Berkeley). He has seven years of industrial and military experience in addition to 26 active years on the Stanford faculty after positions at Texas (Austin) and Yale. Since “retiring” he has introduced the use of personality questionnaires to guide the composition of student design teams, thereby tripling the fraction of teams receiving national awards. With colleagues Bernie Roth and Rolf Faste he has conducted ten two-week creativity workshops for engineering design professors. He has published four books on optimization and received awards from the Operations Research Society of America, the American Society of Mechanical Engineers and the American Institute of Industrial Engineering. He is currently completing a book with *Creative Teams* as its working title.

Panelists

Steve Zahos, Capstone Coordinator, Agricultural and Biological Engineering Department at the University of Illinois at Urbana-Champaign is a 34 year education advancement and business professional. Bachelor and Masters Degrees in Mechanical Engineering from the University of Illinois, numerous opportunities in engineered product development, sales and marketing have lead to the interesting, important work of preparing engineering graduates for the real world. Steve proposed this panel session

Mike Batchelder, South Dakota School of Mines and Technology, co-author of “Multidisciplinary Teaming through Student Design Competitions” with Dan Dolan and Jim McReynolds

Mike, a professor in the Electrical and Computer Engineering Department, has enjoyed teaching for over 30 years. In addition, he has experience with administrative duties as past chair and interim dean and has worked with the Governor's Office of Economic Development on many projects including two startup companies. His interests include the hardware and software of embedded computer systems.

Jennifer A. McCann-Brown, Purdue University, co-author of “Challenges in Mentoring Individuals in Biomedical Engineering Team Design Projects” with Allison Sieving, Brett Bell, et al.

Jennifer A. McCann-Brown, Ph.D. is a post-doctoral research associate in the Weldon School of Biomedical Engineering. She coordinates and helps teach the capstone design course and the biotransport laboratory course and serves as the assessment coordinator for the undergraduate program.

John Twomey is a University of Colorado mechanical engineering spring graduate and recent capstone participant. John is just entering the workforce.

Mr Glenn Pope from John Deere's Worldwide Combine Development Center in Moline has agreed to come and be an industry rep. on the panel. He and his company are long time supporters of the UIUC capstone program. Glenn is a project Engineer and is a direct contact for the teams his organization sponsos. Despite having attended Colorado State, he immediately agreed to come to Boulder and contribute his insight.