Chemical Process Control 7

Awards
Best Speaker for a 3:00 am Talk

Frank Allgower

We didn’t say the best speaker for a 7:30 pm talk…

Runner up – Manfred Morari
System ID in Skiing Award

• \(x*y = \text{skiing accident}\)
• \(x*z = \text{skiing accident}\)
• \(x*u = \text{skiing accident}\)

• Solve for \(x\)
• \(x = \text{Jim Riggs}\)
Best Illustration of an Unstable Active Dynamic Pointer (ADP)

Jay Lee

• Good thing he didn’t hit anyone in the eye with the laser
The Mr. Coffee (Mr C) Award

Brian Froisy

• For developing new control software under the heavy influence of caffeine, modifying DMC (drink more coffee) to Mr C (make regular coffee) and then to its current version (code name: Starbucks). Expected to be out of rehab when code is commercially released
You Need to do Substitute Teaching in ChE Award

John Congalidis

• For suggesting that 22 year old engineers will be better than experienced engineers in operating future plants (presumably due to their expertise with video games)
True Confessions Award

Joe Alford

• For admitting that he did not attend CPCs after the first one because he was intimidated by the Kalman Filter
The Presenter Most Likely to Get His Slides up to Ramming Speed

Yannis Kevrekidis

• For giving a talk with 489 slides
Screw My Co-authors, I wrote the Paper Award

Richard Braatz

- For leaving off his two senior co-authors (Seebauer and Alkire) on his title slide
The Principal Minor Award

Martha Gallivan

- CPC-7 participant most likely to be carded

- Least Likely: Edgar and Seborg…
Self-Impact Award

• P. Christofides & A. Armaou,
  – SCI = 26/52 = 0.5

• Runner-up: Richard Murray,
  – SCI = $\frac{1}{2} = 0.5$
Hoosier “Homer” Award

Rex Reklaitis

• As Dorothy in Wizard of Oz said, “there is no place like home, especially when it comes to selecting session participants (4/5 from Indiana, 3 from his department)
The Reactive Scheduling Award

To the speakers in Information and Enterprise Systems Sessions

• For canceling the panel discussion to go to the airport
FDA-RFED Award

Sangtae Kim

• For developing an FDA Regulated Feedback Erectile Dysfunction System to track his daily consumption of Viagra
“Have You Asked Your Doctor if Prozac is Right for You” Award

Vassily H. and Dion Vlachos

• For delivery at several orders of magnitude above the Nyquist frequency
CPC-7 Jet Lag Award

Venkat Venkatasubramanian

runners up – Frank Allgower & Manfred Morari

• For not reading Frank Doyle’s paper on circadian rhythms and their effect on sleep patterns after coming to Lake Louise
DON'T MESS WITH TEXAS

unless you feel like it
Vassily H.

• For suggesting he had a dream to produce midwestern ethanol from corn and make Texas irrelevant, through improved kinetics and massive government subsidies
The Tunde Ogunnaike Systems Zoology Award

• Frank Allgower
  – (non) Elephantine Animals

• Ron Pearson
  – Set of geometrical cows

• Jim Rawlings
  – Multi-model duck hunting
Hierarchical Control of Time
Tracking of Presenter
Hierarchical Control of Time
Tracking of Presenter

Supervisory control, wants to go on break

Likely asleep (or low gain)

Autonomous system
Evelyn Wood Slide Speedreading Award

Subbarao Varigonda

• For having 80% of the text and figures from his paper imbedded into his slides
From Tomorrow's Talk

Diagram:
- Sensors
- Controller
- Infusion pumps

Variables:
- MAP
- CO
- SNP
- DPM

Flow:
- Measured variables to Patient
- Patient to SNP DPM
- Sensors to Controller
- Controller to Infusion pumps
- Setpoints to Infusion pumps
Deadtime Compensation Award

Wayne Bequette

• For showing a slide of feedback control of drug infusion to an apparently dead patient (an undesirable steady-state)

• Illustrates deadtime compensation?
Dog Mushing & Control (DMC) Award

Tom Badgwell and Dean Kassmann

• For making 8 small dogs pull their lazy butts through heavy snow on Tuesday while other participants were skiing, skating, or hiking.
Recalling a Past CPC
“Unsung” Contributions to US-Canada Relations Award

Jim Rawlings

• For not singing O’Canada at CPC-7
“Go Puck Yourself, Eh?” Award

Mike Henson

For allowing Jim Rawlings to invite more Canadians to a conference in Arizona (CPC6)
Grand Challenge

• De-evolve (un-intelligently design) a robot to cross country ski like Henson
Mike Henson

• Former conference chairs have an appreciation for the effort required to meet budget constraints

But Mike has gone above and beyond into the world of steaming videos...
Achievement in Long-Range Prediction Award

• Mike Henson and Tom Badgwell

• For choosing a conference date years in advance, resulting in near perfect weather
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