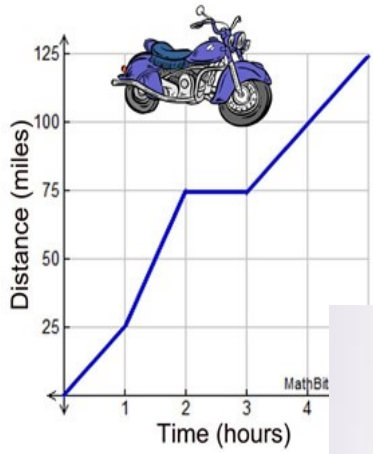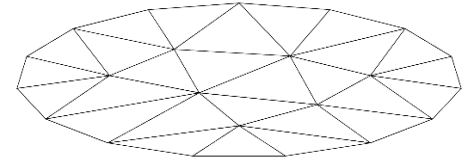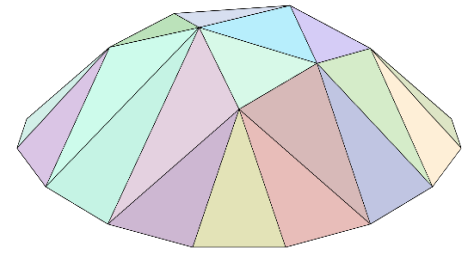# ICS Business Meeting

Houston, 2017

Agenda

- ICS Prize (Jon Lee)

- ICS Student Paper Prize (Raghu Pasupathy)

- Treasurer's Report (Steve Dirkse)

- IjoC Report (Dave Woodruff)

- INFORMS Houston Cluster Report

- 2017 Conference Report (Burak Eksioglu)

- 2019 Conference Report (Jim Ostrowski)   Burak Eksioglu

- Officer Nominations (Steve Dirkse)

- (Brief) Chair Report (Matt Saltzman)

- Pass the Torch (Cole Smith [in absentia])

ICS Prize

Shabbir Ahmed, George Nemhauser, and Juan-Pablo Vielma

For pioneering work on formulations of piecewise-linear functions

2017 ICS Student Paper Prize

Winner:

Berk Ustun (MIT)

Winning Entry:

Learning Optimized Risk Scores from Large-Scale Datasets

Advisor: Cynthia Rudin, CMU

October 22--25, 2017
Houston, TX

2017 ICS Student Paper Prize

Runners-Up:

Rui Gao (Georgia Tech)
**Entry: Wasserstein Distributional Robustness and
Regularization in Statistical Learning**

Christian Kroer (CMU)
**Entry: Theoretical and Practical Advances on Smoothing for
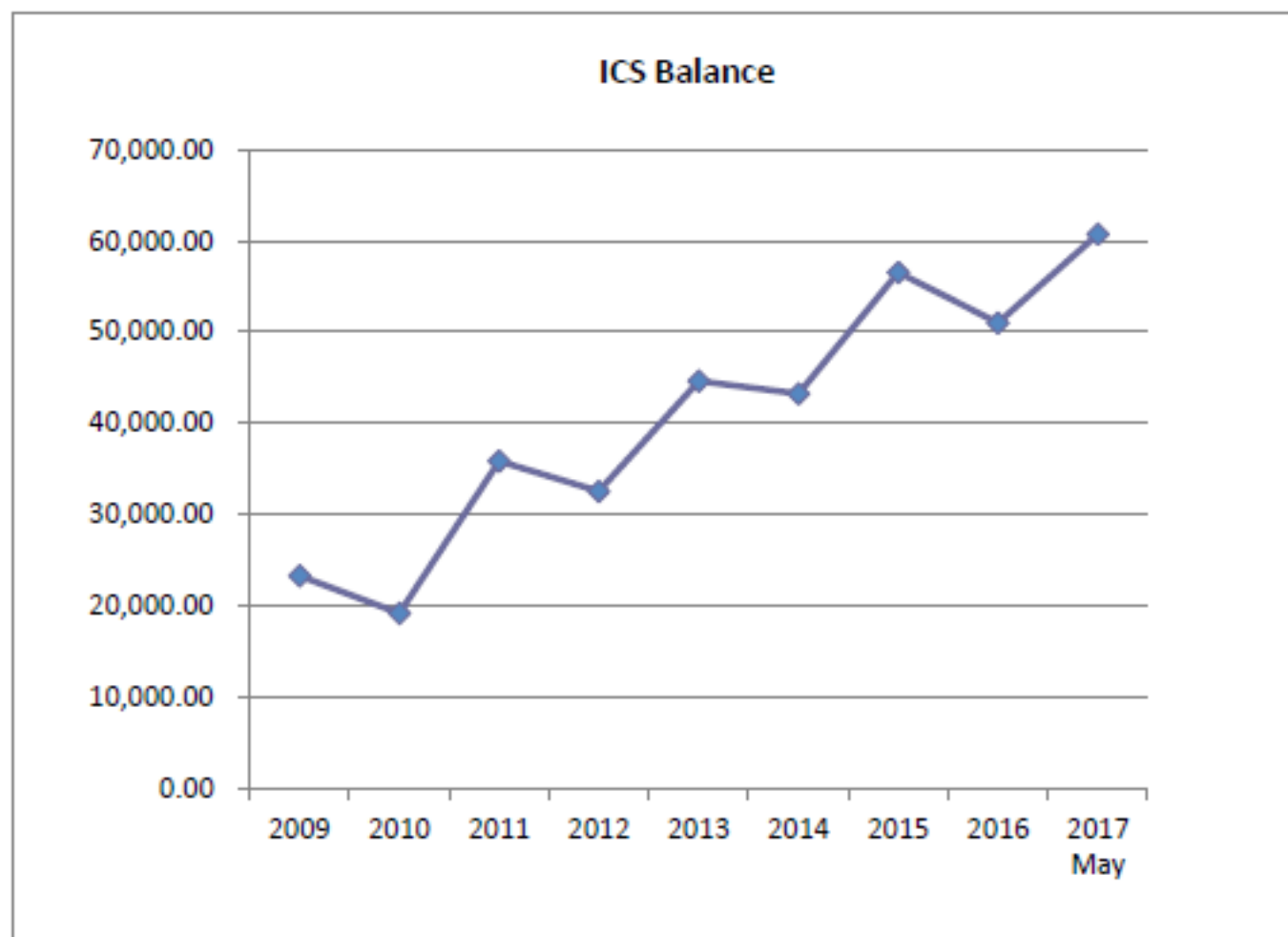Extensive-Form Games**

Hamed Rahimian (OSU)
**Entry: Identifying Effective Scenarios in Distributionally
Robust Stochastic Programs with Variation Distance**

October 22--25, 2017
Houston, TX

ICS Treasurer's Report
Steve Dirkse, GAMS Development Corp.

You see the trend, yes?

Financials: 2016-17

	2012	2013	2014	2015	2016	2017 May
Revenue	4,328.00	6,103.00	5,330.00	5,100.00	4,944.00	3,435.00
Expense	2,936.10	3,669.17	6,724.00	4,400.00	10,469.87	494.60
Meeting Profit	(4,656.30)	9,632.26	0.00	12,603.03	0.00	6,759.39
P/L	(3,264.40)	12,066.09	(1,394.00)	13,303.03	(5,525.87)	9,699.79
Balance	32,567.95	44,634.04	43,240.04	56,543.07	51,017.20	60,716.99

- ► Other revenue mainly from dues
  - ► 2014: $5000
  - ► 2015: $4765
  - ► 2016: $4815
  - ► 2017q2: $3435

- ► Main annual expenses (2015 - 2017):
  - ► business meeting: $2000
  - ► award expenses: $2000
  - ► Journal on Computing: $550

Membership Trend

ICS Membership

INFORMS Journal on Computing Sponsors

- GAMS Development Corporation

- Gurobi Optimization

- INFORMS Computing Society

Some Numbers and Things

- 21% Acceptance Rate

- Average time to first decision was 158 days in Q1. This is a bad number. We are working to reduce it and you can help.

- First submissions are down a little; anecdotally, average quality seems to be up a little.

- The impact factor might be 1.173 (but it is difficult to get a current number)

- We will recruit for a new EiC next year.

Policies

- Data Policy: in place and working very well. Thanks!
- Software policy:

Like the data policy, the software policy does not apply to every paper and there will be numerous exceptions for good reasons.

For papers whose primary contribution is computational experiments, as a condition of final acceptance of the paper software must be released to the research community with instructions and data suitable for a researcher to be able to reproduce results given in the paper. It is generally expected that relevant source code will be published as an online supplement to the journal article. No need to be "user friendly."

Computing Society Cluster

- 18 sessions
- 93 talks
- Topics included, among many others...
  - Neural networks
  - Vehicle routing problems
  - Multi-stage optimization optimization
  - Healthcare
  - Network flow problems
  - Computational geometry
  - Computational biology

2017 ICS Conference

Organizing Committee

Program Committee Co-Chairs
- **Burak Eksioglu, Clemson University**
- **Nedialko Dimitrov, University of Texas – Austin**

Cluster Chairs
- **Optimization in Healthcare**
  - Timothy Chan, University of Toronto
- **Energy**
  - Russell W. Bent, Los Alamos National Laboratory
- **Integer Programming**
  - Jeff Linderoth, University of Wisconsin – Madison
  - Jonathan Bard, University of Texas – Austin
- **Healthcare Analytics**
  - Baris Ata, The University of Chicago
  - Turgay Ayer, Georgia Institute of Technology

- **Resilient Networks**
  - David Alderson, Naval Postgraduate School
- **Software**
  - Jean-Paul Watson, Sandia National Laboratories
- **Security and Military Applications**
  - Michael Atkinson, Naval Postgraduate School
  - Laura Albert McLay, University of Wisconsin – Madison
- **Stochastic Optimization**
  - Guzin Bayraksan, The Ohio State University
- **Computational Decision Analysis**
  - Jay Simon, American University
- **Infectious Disease Modeling and Control**
  - Amin Khademi, Clemson University

Speakers

Plenary Speakers

- **Martin Wainwright, University of California at Berkeley**
  Statistics Meets Optimization: Some New Phenomena at the Interface

- **Dimitri Bertsekas, Massachusetts Institute of Technology**
  Proximal and Temporal Difference Methods: A Bridge Between Numerical Convex Analysis and Approximate Dynamic Programming

Tutorial Speakers

- **Shane Henderson, Cornell University**
  Citibike: Continuous, Discrete, and Simulation Optimization

- **Cole Smith, Clemson University**
  Next-generation Network Interdiction Algorithms

- **Andrew Schaefer, Rice University**
  Markov Decision Processes in Healthcare

Program

- Number of clusters: 10

- Number of sessions: 53

- Number of submissions: 186

- Submissions that made it to the program: 175

- Number of attendees: 230

Budget

- Revenue from registration: $74,000
- Registration related expenses: $20,000
- Hotel Contract: $29,000
  - Coffee breaks ($19,000)
  - Welcome reception ($10,000)
- AV expenses (including recording speakers): $12,000
- Travel expenses for speakers: $5,000
- Conference dinner: $12,000
  - Transportation ($1,500)
  - Food ($9,500)
- Total Revenue–Total expenses = $74,000-$78,000 = -$4,000

ICS 2019: Knoxville TN
January 6-8*

Bar

Hotel

Conference Center

Outgoing Chair's Report

- Revisiting Prizes

  - Committee: Simge Kucukyavuz, Erick Moreno-Centeno
  - Preliminary report to board of directors
  - Watch for proposals

- SIGs

  - Working on a proposal for a mechanism to let members create SIGs with demonstrated interest

  - Sample activity: SIG chairs would organize mini-clusters for Annual Meeting and ICS Conference

  - Watch for proposals

Incoming Chair's Report

- Contact Cole with ideas for initiatives

- Publishing the ICS Conference book has become a challenge over the last few conferences. Do we want to continue? If so, what do we need to fix?