

# Eighth Annual Conference on Teaching & Research in Economic Education (CTREE)

May 30 – June 1, 2018  
San Antonio, Texas  
San Antonio Marriott Rivercenter

**Plenary Speakers:**  
Sandra Black, University of Texas  
Catherine Eckel, Texas A&M University  
Dan Hamermesh, University of Texas

**Sponsored by:**



Committee on Economic Education

Journal of Economic Education



The following people played key roles in organizing and delivering the eighth annual AEA Conference on Teaching and Research in Economic Education (CTREE):

AEA Committee on Economic Education members

KimMarie McGoldrick, Chair of AEA Committee on Economic Education,  
University of Richmond & Journal of Economic Education

Sam Allgood [ex officio], University of Nebraska-Lincoln & Journal of  
Economic Education

William Bosshardt, Florida Atlantic University

William Goffe, Pennsylvania State University

Oskar Harmon, University of Connecticut

James Hornsten, Northwestern University

Derek Neal, University of Chicago

Thomas Nechyba, Duke University

Róisín O'Sullivan, Smith College

Georg Schaur, University of Tennessee

Wendy Stock, Montana State University

Conference Organizing/Steering Committee

KimMarie McGoldrick, University of Richmond & Journal of Economic  
Education

Sam Allgood [ex officio], University of Nebraska-Lincoln & Journal of  
Economic Education

James Hornsten, Northwestern University

Jennifer Imazeki, San Diego State University

Gwyn Loftis, American Economic Association

Julia Merry, American Economic Association

Róisín O'Sullivan, Smith College

Peter Rousseau, American Economic Association/Vanderbilt University

Jonnda Burner and Laura Alsup from the American Economic Association handled registration and many other details of the meeting, Susan Houston dealt with all postings regarding the conference on the AEA Committee on Economic Education webpage.

Look for us on Twitter!

#CTREE2018

# Conference on Teaching & Research on Economic Education

May 30 – June 1, 2018 San Antonio Marriott Rivercenter

## Schedule of Events

### May 30

10:00 am – 1:00 pm	Registration Desk and Exhibits Open
1:00 – 2:30 pm	Welcome and Plenary Session 1 (Catherine Eckel)
2:30 – 3:00 pm	Coffee Break
3:00 – 5:00 pm	Concurrent Sessions (Block A)
Dinner	Participants on Their Own

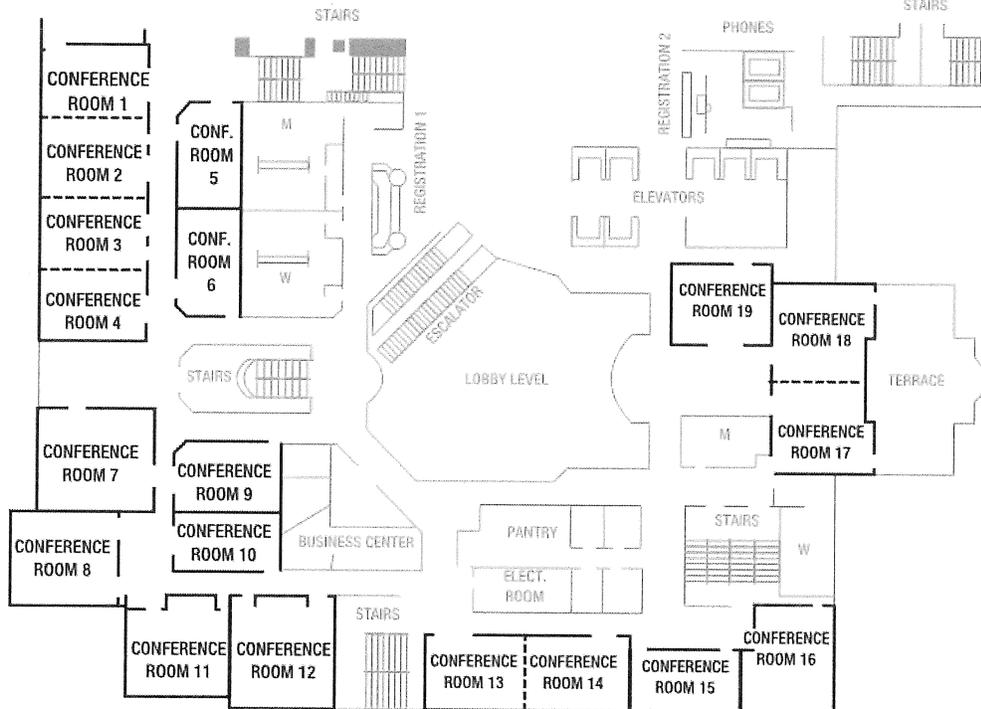
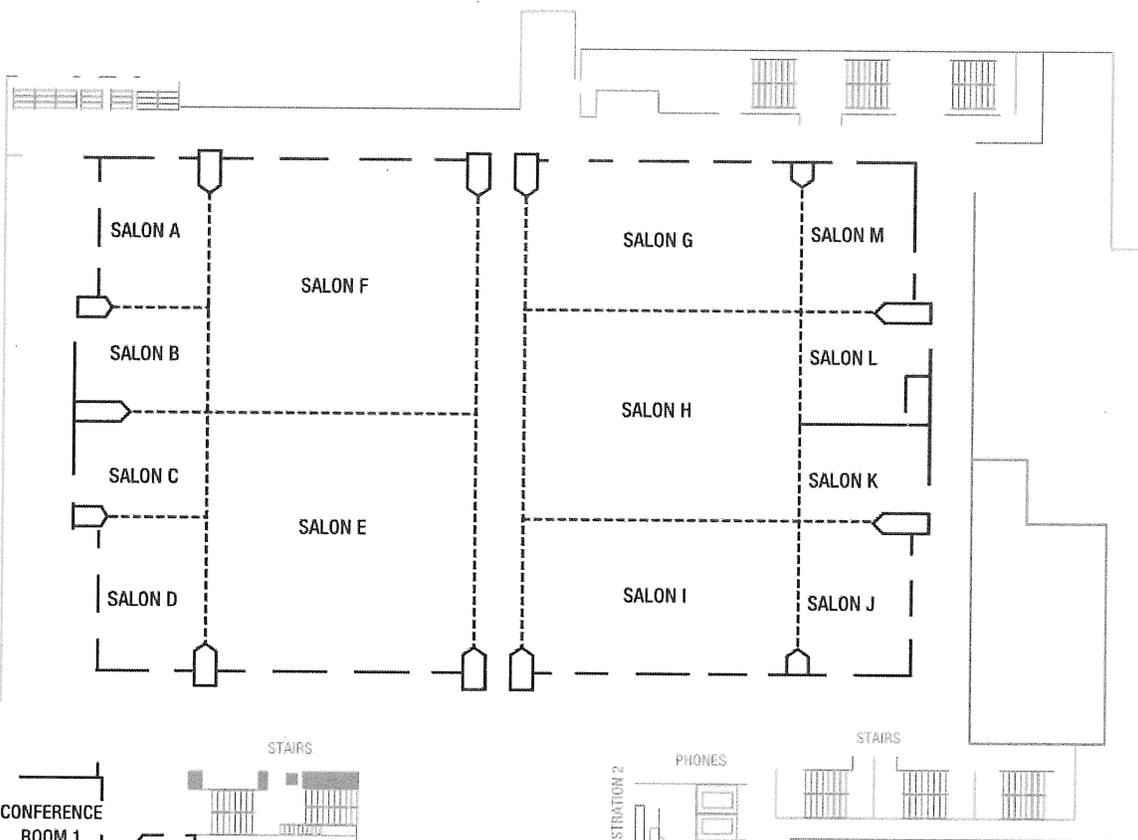
### May 31

7:30 – 8:30 am	Full Breakfast
8:30 – 10:30 am	Concurrent Sessions (Block B)
10:30 – 11:00 am	Coffee Break
11:00 am – 12:30 pm	Concurrent Sessions (Block C)
12:30 – 1:30 pm	Lunch provided
1:30 – 2:45 pm	Plenary Session 2 (Dan Hamermesh)
2:45 – 3:15 pm	Coffee Break
3:15 – 5:15 pm	Concurrent Sessions (Block D)
5:30 – 7:00 pm	Publishers' Reception
Dinner	Participants on Their Own

### June 1

7:30 – 8:30 am	Full Breakfast
8:30 – 10:30 am	Concurrent Sessions (Block E)
10:30 – 10:45 am	Break
10:45 – 12:00pm	Plenary Session 3 (Sandra Black)

# MEETING ROOM



**Wednesday, May 30**

**10:00 am – 1:00 pm Registration Desk and Exhibits (Salon H) Open**

**1:00 – 2:30 pm**

**WELCOME** from KIMMARIE MCGOLDRICK, University of Richmond, and Chair of the AEA Committee on Economic Education

**PLENARY SESSION 1, Salon I**

CATHERINE ECKEL, Texas A&M University – Gender Differences: What Have We Learned From 25 Years of Experimental Research?

Presiding: JAMES HORNSTEN, Northwestern University

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**2:30 – 3:00 pm Coffee Break, Salon H**

**SESSION A: 3:00 – 5:00 pm**

**3:00 – 5:00pm, Conference Room 17-18**

**Session A1: Creating and Using Standard Assessments in Economics: The TUCE and Beyond – PANEL DISCUSSION**

**Presiding:** DOUGLAS MCKEE, Cornell University

WILLIAM GOFFE, Pennsylvania State University – Principles of Macroeconomics

DOUGLAS MCKEE, Cornell University – Introductory Statistics

GEORGE ORLOV, Cornell University – Applied Econometrics

PARAMA CHAUDHURY, University College London – Expected Skills, Comprehensive Exams

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**3:00 – 5:00pm, Conference Room 12**

**Session A2: Bibliometrics in Economic Education: Outlets, Institutions, Authors, and Articles**

**Presiding:** REBECCA CHAMBERS, Michigan State University

CARLOS ASARTA, University of Delaware and FRANKLIN MIXON, Columbus State University – Publishing and Research in Economic Education: A Catalogue and Assessment

STEPHEN GRANDCHAMP, Illinois Wesleyan University, CARLOS ASARTA, University of Delaware, FRANKLIN MIXON, Columbus State University and DIEGO MÉNDEZ-CARBAJO, Illinois Wesleyan University – Talk of the Town: A Textual Analysis of Economic Education Article Titles

J.B. ARBAUGH, University of Wisconsin-Oshkosh, CARLOS ASARTA, University of Delaware, REGINA BENTO, University of Baltimore, CHARLES FORNACIARI, LaSalle University, ALVIN HWANG, Pace University and KATHY LUND DEAN, Gustavus Adolphus College – Key Institutions and Authors in Business and Management Education (BME): 2008-2017

**Discussants:** DIEGO MÉNDEZ-CARBAJO, Illinois Wesleyan University  
REBECCA CHAMBERS, Michigan State University  
LAURA AHLSTROM, University of Delaware

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**3:00 – 5:00pm, Conference Room 3-4**  
**Session A3: Promoting Transparency in Undergraduate Empirical Research**

**Presiding:** ANTHONY UNDERWOOD, Dickinson College

ANTHONY UNDERWOOD and EMILY MARSHALL, Dickinson College – Writing in the Discipline and Reproducible Methods: A Process-Oriented Approach to Teaching Empirical Undergraduate Economics Research

DAVID VERA, California State University-Fresno – Enhancing Students’ Appreciation for Reproducibility and Transparency in an Introduction to Econometrics Class

ELISE WANG SONNE, United Nations University (UNU-MERIT), The Netherlands – Towards an Understanding of Research Transparency and Reproducibility Practices Adoption Among Social Sciences Researchers in Cameroon: Is There a Gender Bias?

RICHARD BALL, Haverford College – Integrating Transparency into Courses and Research Advising

**Discussants:** KEVIN MCINTYRE, Trinity University  
JILL HAYTER (East Tennessee State University)  
SIMON HALLIDAY, Smith College  
EMILY MARSHALL, Dickinson College

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**3:00 – 5:00pm, Conference Room 14**  
**Session A4: Interactive Teaching: How to Engage Students and Enhance Their Comprehension of Economics**

**Presiding:** ALEXANDER EIERMANN, Stonehill College

HOSSEIN KAZEMI, Stonehill College and DEAN CROUSHORE, University of Richmond – Bloomberg in the Classroom: Using Data and Current Topics to Effectively Teach Economics

HUMBERTO BARRETO, DePauw University – Teaching Macroeconomics with Excel: Piketty and Inequality

SCOTT WOLLA, Federal Reserve Bank of St. Louis – An Active Learning Strategy for Improving Instruction in Macroeconomics

**Discussants:** LINDA GHENT, Eastern Illinois University  
ALEXANDER EIERMANN, Stonehill College  
DAVID BOLDT, University of West Georgia

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**3:00 – 5:00pm, Conference Room 13**

**Session A5: Economics Courses with Significant Writing Components and an Open-Access Textbook**

**Presiding:** SHIKHA SILWAL, Washington and Lee University

GBETONMASSE SOMASSE, Worcester Polytechnic Institute – Revealed Learning Outcomes – Insights from Student Reflective Activities in Economics Courses

ALAN GREEN and CHRIS DE BODISCO, Stetson University – Team-Based Learning in Discussion Based Courses

LIJUN ZHANG, University of Victoria – Active Learning Through Making Questions

BELINDA ARCHIBONG, RAJIV SETHI, SARAH THOMAS, and HOMA ZARGHAMEE, Barnard College – Four Innovations in Economics Education: The CORE Project

**Discussants:** ROBERT TATUM, University of North Carolina at Asheville  
MELATI NUNGSARI, Asia School of Business  
JESSICA HENNESSEY, Furman University  
WHITNEY BUSER, Young Harris College

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**3:00 – 5:00pm, Conference Room 15**

**Session A6: Issues in Online Assessment at Scale: Cheating in Online Exams and Calibrated Peer Grading for Online Essay-Type Questions**

**Presiding:** JOSE VAZQUEZ, University of Illinois at Urbana-Champaign

FILIA ARGA, JOSEPH PETRY and MAURICIO OLIVARES, University of Illinois at Urbana-Champaign – Is Peer Grading a Valid Substitute for Expert Grading? A Clinical Study on the Effects of an Online Calibrated Peer Study Platform in a Large Enrollment Economics Course

IGNACIO SARMIENTO-BARBIERI, JOSE VAZQUEZ and TIMOTHY CHIN, University of Illinois at Urbana-Champaign – Can We Stay One Step Ahead of Cheaters? A Clinical Trial on the Effect of Proctoring in Online Exams

JAMES LAMBRINOS, Clarkson University, OSKAR HARMON, University of Connecticut, and PAUL TOMOLONIS, Western New England University – Proctored in Person or via Webcam: Is there a Difference?

**Discussants:** JON GUEST, Aston University  
ESTEBAN PETRUZZELLO, University of Miami  
BRIGITTE PEGADO, Stellenbosch University

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**5:00 pm Dinner – Participants on Their Own**

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**Thursday, May 31**

**7:30 – 8:30 am Full Breakfast, Salon H**  
**7:30 – 8:30 am (During breakfast) Meeting for anyone interested in issues regarding teaching-track (non-tenure-track) faculty. All welcome.**  
**Meeting Leader: Kim Holder, University of West Georgia.**

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**SESSION B: 8:30 – 10:30 am**

**8:30 – 10:30 am, Conference Room 12**  
**Session B1: FRED in the Classroom – WORKSHOP**

**Presiding:** DIEGO MÉNDEZ-CARBAJO, Illinois Wesleyan University

DIEGO MÉNDEZ-CARBAJO, Illinois Wesleyan University

KEITH TAYLOR, Federal Reserve Bank of St. Louis

MARK BAYLES, Federal Reserve Bank of St. Louis

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**8:30 – 10:30 am, Conference Room 17-18**  
**Session B2: Measuring Learning in Economics**

**Presiding:** WILLIAM BOSSHARDT, Florida Atlantic University

SAM ALLGOOD, University of Nebraska-Lincoln – Computerized Grading of Open Response Assessment Items

WILLIAM WALSTAD, University of Nebraska-Lincoln – Results from Measuring Economic Understanding in Multiple Formats: Fixed-Response in a Matrix and Constructed-Response with Performance Assessment

OLGA TROITSCHANSKAIA, University of Mainz – Performance Assessment in Economics with Undergraduates in Germany: Test Results and Survey Insights

**Discussants:** BEN SMITH, University of Nebraska – Omaha  
DOUGLAS MCKEE, Cornell University  
LEIGH NEETHLING, University of Cape Town

**8:30 – 10:30 am, Conference Room 11**  
**Session B3: Learning Outside of the Classroom**

**Presiding:** LEONIE KARKOVIATA, University of Houston

GRACE ONODIPE and ANDREW STEPHENSON, Georgia Gwinnett College – Using Student-Created Videos to Increase Students’ Attention, Retention, and Academic Performance in a Flipped Classroom

BRIGITTE PEGADO and LIEZL NIEUWOUDT, Stellenbosch University – How Flipping The Class Nudges Towards Student-Centered Learning in a Macroeconomics Course

**Discussants:** CHARITY-JOY ACCHIARDO, University of San Diego  
JENS SCHUBERT, University of Delaware

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**8:30 – 10:30 am, Conference Room 16**  
**Session B4: Philosophy, Religion, and Welfare Economics**

**Presiding:** MONICA OSPINA, EAFIT University

SHIKHA SILWAL and ALICE KILDUFF, Washington and Lee University – Incorporating Travel, Site-Based, and Interdisciplinary Learning in a Development Economics Course, “Caste at the Intersection of Law, Economy, and Religion”

ROBERT TATUM, University of North Carolina at Asheville – Infusing the Humanities into the Economics Curriculum

KRISTEN COOPER, Gordon College – Welfare Economics in Introductory Microeconomics: Comparing Approaches to Efficiency

KATIE WICK, Abilene Christian University – Can Moral Priming Reduce Cheating? A Large-Scale Replication

**Discussants:** RANGANATH MURTHY, Western New England College  
ERWIN ERHARDT, III, University of Cincinnati  
LIJUN ZHANG, University of Victoria  
DANIEL KUESTER, Kansas State University

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**8:30 – 10:30 am, Conference Room 3-4**  
**Session B5: How Should We Gather, Interpret and Use Student Feedback?**

**Presiding:** PATTEN MAHLER, Centre College

EMILY MARSHALL, Dickinson College, JILL HAYTER, East Tennessee State University and WHITNEY BUSER, Young Harris College – Temporal Effects in Standard Evaluations of Teaching by Gender

DEREK STIMEL and JANINE WILSON, University of California-Davis – Finding a Simple Solution to the Problem of Student Evaluations: An Index of Traditional Evaluation Questions

PRATHIBHA JOSHI, Gordon State College – A Survey of Student Choice of Learning Techniques

KAREN GEBHARDT, Colorado State University – Student Perceptions of High-Impact Practices and Adaptive Learning in the Principles Classroom

**Discussants:** PARAMA CHAUDHURY, University College London  
STEVE MUCHIRI, Eastern Connecticut State University  
ANTHONY UNDERWOOD, Dickinson College  
MARK MAIER, Glendale Community College

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**10:30 – 11:00 am Coffee Break, Salon H**

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**SESSION C: 11:00 am-12:30 pm**

**11:00 am-12:30 pm, Conference Room 16**

**Session C1: Running a Classroom Market for Extra Credit – WORKSHOP**

**Presiding:** JOSH STAVELEY-O'CARROLL, Babson College

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**11:00 am-12:30 pm, Conference Room 17-18**

**Session C2: Curiosity and the Pleasures of Learning: Leveraging Internal Student Motivation to Learn Through Curiosity – WORKSHOP**

**Presiding:** JOSE VAZQUEZ, University of Illinois at Urbana-Champaign

JOSE VAZQUEZ, University of Illinois at Urbana-Champaign

DARIA BOTTAN, Binghamton University

ERIC CHIANG, Florida Atlantic University

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**11:00 am-12:30 pm, Conference Room 3-4**

**Session C3: Assessing Student Tastes: Teaching with Sweets**

**Presiding:** PRATHIBHA JOSHI, Gordon State College

AMANDA JENNINGS, University of Delaware – I'll Share with Her, But Not with You: A Mixed Methods Approach to Kids' Resource Allocation Decisions

G. DIRK MATEER, University of California – San Diego and WAYNE GEERLING, University of Arizona – I Scream, You Scream, We all Scream for Economics!

JAMES HORNSTEN, Northwestern University – Teaching Microeconomics with Live Cooking Demonstrations

**Discussants:** PAUL JOHNSON, University of Alaska-Anchorage  
SHELBY FROST, Georgia State University  
KRISTEN COOPER, Gordon College

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**11:00 am-12:30 pm, Conference Room 11**

**Session C4: Scaffolding and Other Ways to Introduce Complicated Material**

**Presiding:** CHRIS DE BODISCO, Stetson University

GBETONMASSE SOMASSE, Worcester Polytechnic Institute – A Clearer Picture: Using Photography as a Metaphor for Student-Centered Learning in Introductory Economics

TAMARA TRAFTON, Quest University Canada – Teaching Students to Extend Economic Models Using In-Class Scaffolding

ANDREW MONACO, University of Puget Sound – A Shift in Pedagogy: Using the Methodology of Economic Modeling to Highlight Comparative Statics in the Undergraduate Curriculum

**Discussants:** GRACE ONODIPE, Georgia Gwinnett College  
NEETU KAUSHIK, LaGuardia Community College  
ANDREW GREENLAND, Elon University

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**11:00 am-12:30 pm, Conference Room 12**

**Session C5: What Motivates Students?**

**Presiding:** SUSAN REILLY, Florida State College at Jacksonville

SUDIPTA ROY, University of St. Francis and BIBHAS SAHA, Durham University – Goal Setting as a Motivator for Student Performance: Evidence from Lab Experiments

SANTIAGO SANCHEZ, FELIPE BEDOYA and MONICA OSPINA, EAFIT University – Evaluating Classroom Innovations for Motivation and Learning: A Case of Principles of Microeconomics Course

GANG WANG and JENS SCHUBERT, University of Delaware – The Impact of Behavioral Nudges and For-Credit Incentives on Learning Outcomes and Study Habits: Experimental Evidence from the Field

**Discussants:** ROBERT GAZZALE, University of Toronto  
JENNJOU CHEN, National Chengchi University  
JAMES TIERNEY, Pennsylvania State University

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**12:30 – 1:30 pm Lunch provided, Salon H**

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**1:30 – 2:45 pm**

**PLENARY SESSION 2, Salon I**

DAN HAMERMESH, University of Texas – 50 Years of Teaching Introductory Economics

Presiding: JOHN SIEGFRIED, American Economic Association

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**2:45 – 3:15 pm Coffee Break, Salon H**

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**SESSION D: 3:15 – 5:15 pm**

**3:15 – 5:15 pm, Conference Room 3-4**

**Session D1: Teaching Numeracy in an Alternative Facts World – PANEL**

**Presiding:** PARAMA CHAUDHURY, University College London

MARK MAIER, Glendale Community College – Reading Apprenticeship and Perusall

DOUGLAS MCKEE, Cornell University – Advanced Econometric Methods

SIMON HALLIDAY, Smith College – Understanding Op-Eds and Data Journalism

PARAMA CHAUDHURY, University College London – The Data Skills Lab

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**3:15 – 5:15 pm, Conference Room 12**

**Session D2: The Rise of Pop Economics: TV Shows – PANEL**

**Presiding:** G. DIRK MATEER, University of California – San Diego

CHARITY-JOY ACCHIARDO, University of San Diego – Shark Tank

JAMES TIERNEY, Pennsylvania State University – The Big Bang Theory

KALINA STAUB, UNC-Chapel Hill – Parks and Recreation

DANIEL KUESTER, Kansas State University – The Office

LINDA GHENT, Eastern Illinois University – Seinfeld

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**3:15 – 5:15 pm, Conference Room 17-18**

**Session D3: Attraction or Attrition? Factors That Predict Success in the Economics Major**

**Presiding:** GEORGE ORLOV, Cornell University

TISHA EMERSON, Baylor University and KIMMARIE MCGOLDRICK, University of Richmond – Economic Magnetism: Attracting and Repelling Majors

DAVID BOLDT and MARY KASSIS, University of West Georgia – Factors Impacting Student Success in Introductory Economics Courses

WILLIAM WALSTAD, University of Nebraska – Lincoln and WILLIAM BOSSHARDT, Florida Atlantic University – A Comparison of Grades in Economics Across Undergraduate Courses and Majors

STEVE TROST, Virginia Tech – Expectations and Performance in Principles of Economics

**Discussants:** HOMA ZARGHAMEE, Barnard College

MIKE URBANCIC, University of Oregon

DAVID VERA, California State University-Fresno

PATTEN MAHLER, Centre College

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**3:15 – 5:15 pm, Conference Room 15**

**Session D4: Measuring Learning: Financial Literacy, An Alternative Test of Understanding in College Economics, and Student Guessing**

**Presiding:** ROBERT RIEGLER, Nottingham Trent University

INNA POMORINA and LU LIU, Bath Spa University, UK, NATALIA BRUHANOVA, AGU, Russia and ANDRII WITRENKO, TSNUK, Ukraine – Developing Financial Literacy Among Students in Different Countries

ANTHONY LEIMAN, LEIGH NEETHLING and MAGASHE NGOEPE, University of Cape Town – An Analysis of Learning in a Large Introductory Microeconomics Course

BEN SMITH and DUSTIN WHITE, University of Nebraska-Omaha – On Guessing: Comparing Estimates of the Guessing Parameter with Monte Carlo Simulations

**Discussants:** ELISE WANG SONNE, United Nations University (UNU-MERIT), The Netherlands

WILLIAM GOFFE, Pennsylvania State University

IGNACIO SARMIENTO-BARBIERI, University of Illinois at Urbana-Champaign

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**3:15 – 5:15 pm, Conference Room 11**

**Session D5: Overcoming Challenges in Curricular Design and Implementation**

**Presiding:** SARAH THOMAS, Barnard College

SHELBY FROST, Georgia State University – Student Satisfaction with Learning Technology Courseware

IRINA CHERNIKOVA and SUKANYA KEMP, University of Akron – From “Animal House” to “The Graduate”: Success Pathways for Ohio Universities in Economics Education

LEONIE KARKOVIATA, University of Houston, Downtown – Leading the Way: Using the Lead Professor Model in Principles of Economics Courses

THAD JACKSON, Arkansas State University and BEN WOODRUFF, Eastern Kentucky University – Intelligence, Hearts & Minds, and Harmony: Applying the Principles of Special Warfare in the College Classroom

**Discussants:**

JOSEPH PETRY, University of Illinois at Urbana-Champaign

ALAN GREEN, Stetson University

TAMARA TRAFTON, Quest University Canada

SAM RICHARDSON, Boston College

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**3:15 – 5:15 pm, Conference Room 16**

**Session D6: How to Teach Cutting Edge Topics: Multisided Platforms, Fantasy Sports, and Global Environmental Impacts**

**Presiding:** ALEJANDRO DELLACHIESA, University of Kentucky

ANDREW MONACO, University of Puget Sound – Digital Companies in the Classroom: How to Teach the Theory of the Firm as a Multisided Platform

ANDREW GREENLAND, Elon University – Teaching Profit Maximization: A Historical MLB Simulation Exercise

SAHAR MILANI, St. Lawrence University – Teaching Environmental Macroeconomics to Undergraduate Students

**DISCUSSANTS:**

JULIEN PICAULT, University of British Columbia

STEPHANIE POWERS, Red Deer College

PARITOSH GHOSH, Red Deer College

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**5:30 – 7:00 pm Publishers’ Reception, Salon H**

**Co-sponsored by:**

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**7:00 pm Dinner – Participants on Their Own**

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**Friday, June 1**

**7:30 – 8:30 am Full Breakfast, Salon H  
7:30 – 8:30 am (During breakfast) Meeting for anyone interested in economics instruction at community colleges. All welcome.  
Meeting Leader: Mark Maier, Glendale Community College.**

**SESSION E: 8:30 – 10:30 am**

**8:30 – 10:30 am, Conference Room 17-18**

**Session E1: Building a Cross-Campus Network of Committed Introductory Economics Instructors: The Curriculum Open-Access Resources for Economics (CORE) Project – WORKSHOP**

**Presiding:** HOMA ZARGHAMEE, Barnard College

SARAH THOMAS and HOMA ZARGHAMEE, Barnard College

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**8:30 – 10:30 am, Conference Room 13**

**Session E2: Mastering Student Engagement to Improve Economic Understanding**

**Presiding:** JINHWAN OH, Ewha Womans University, South Korea

FLORENCIA GABRIELE and REBECCA MORYL, Emmanuel College – Heads Up! Making Econ Exam Review Sessions Fun and Effective

SETH GITTER, Towson University – Undergraduate Research: A Manual for Teachers and Students

SUSAN REILLY, Florida State College at Jacksonville – “She’s Using Her Economist Powers!” How Economics Can Help You Win Games

CLAUDIAN KWOK, University of Hong Kong – Unleash the Power of PowerPoint in Teaching Economics

**Discussants:** KALINA STAUB, University of North Carolina at Chapel Hill  
KATIE WICK, Abilene Christian University  
JOANA GIRANTE, Arizona State University  
HIUKO ADAMS, Perimeter College at Georgia State University

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**8:30 – 10:30 am, Conference Room 14**  
**Session E3: Classroom Exercises and Experiments**

**Presiding:** GBETONMASSE SOMASSE, Worcester Polytechnic Institute

ROBERT GAZZALE, University of Toronto – Experiments and Active Learning in Introductory Economics Tutorials

PAUL JOHNSON, University of Alaska-Anchorage – An Asynchronous Classroom Exchange Rate Experiment

STEPHANIE POWERS, Red Deer College – Teaching Absolute and Comparative Advantage with Paper Airplanes

RANGANATH MURTHY, Western New England College – Getting Students in Introductory Economics Classes to Understand the Economics of Health Insurance

**Discussants:** ANDREW MONACO, University of Puget Sound  
JOSH STAVELEY-O'CARROLL, Babson College  
STEVE TROST, Virginia Tech  
WAYNE GEERLING, University of Arizona

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**8:30 – 10:30 am, Conference Room 12**  
**Session E4: Cooperation or Competition? Insights on How Students Interact with Their Peers**

**Presiding:** AMANDA JENNINGS, University of Delaware

JON GUEST, Aston University and ROBERT RIEGLER, Nottingham Trent University – Are Economics Undergraduate Students More Accurate at Evaluating Their Own Work or That of Their Peers?

PARAMA CHAUDHURY, University College London – Herding in the Classroom–Peer Effects in Learning

JENNJOU CHEN, National Chengchi University, and TSUI-FANG LIN, National Taipei University – Does Cooperative Learning Help Students Learn Microeconomics: An Instrumental Variables Approach

AMBRA MAZZELLI and MELATI NUNGSARI, Asia School of Business – Problem Formulation and Cognitive Learning in Culturally Diverse Teams

**Discussants:** JANINE WILSON, University of California-Davis  
KAREN GEBHARDT, Colorado State University  
SUDIPTA ROY, University of St. Francis  
THAD JACKSON, Arkansas State University

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**8:30 – 10:30 am, Conference Room 16**  
**Session E5: Statistical Software and Data Analysis**

**Presiding:** RICHARD BALL, Haverford College

DOUGLAS MCKEE and GEORGE ORLOV, Cornell University – Effectiveness of Active Learning in Teaching Econometrics

SAM RICHARDSON, Boston College – Using Gapminder to Teach Causal Reasoning

LEA FORTMANN, University of Puget Sound – Improving Climate Literacy in Economics Courses Using a Computational Guided Inquiry Framework

**Discussants:** KEN REBECK, St. Cloud State University  
MARY KASSIS, University of West Georgia  
SAHAR MILANI, St. Lawrence University

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**10:30 – 10:45 am Break**

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**10:45 am – 12:00 pm, Salon I**

**PLENARY SESSION 3 & Closing**

SANDRA BLACK, University of Texas – Family Matters: The Role of Birth Order on Children's Outcomes

Presiding: RÓISÍN O'SULLIVAN, Smith College

# NOTES

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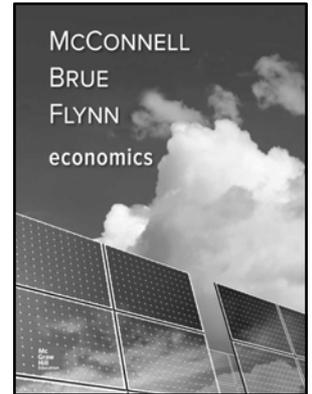
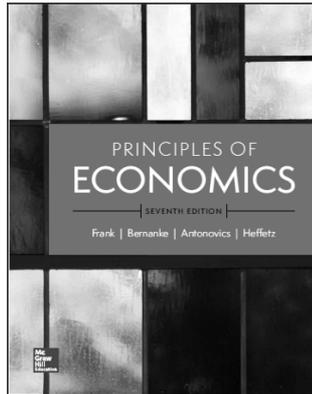
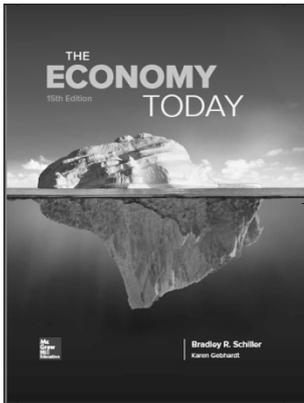
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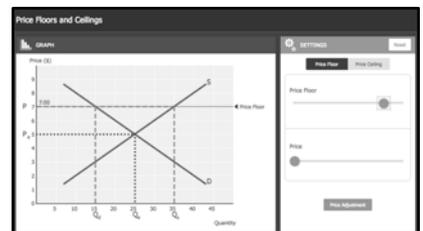
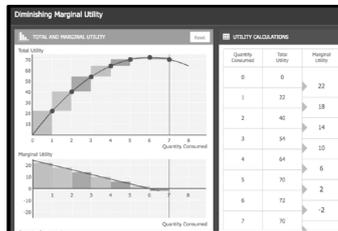
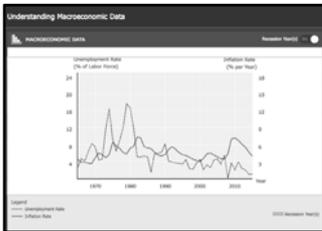
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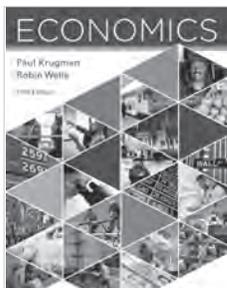
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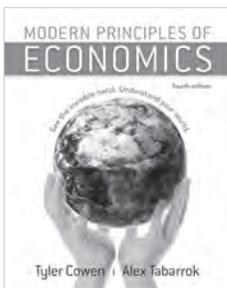
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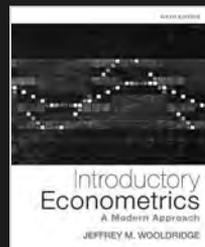
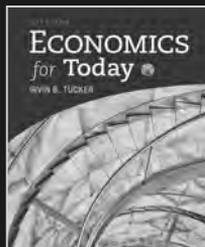
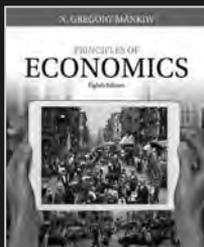
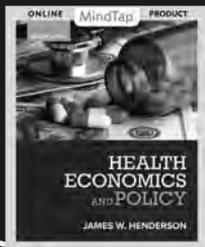
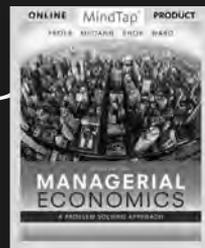
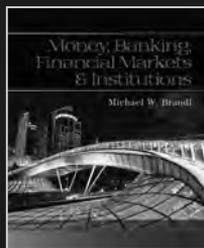
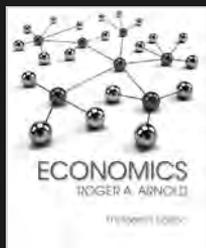
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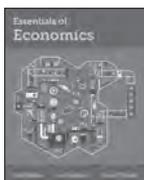


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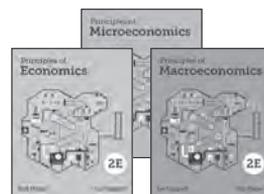
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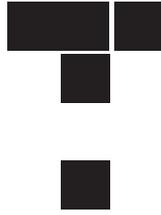
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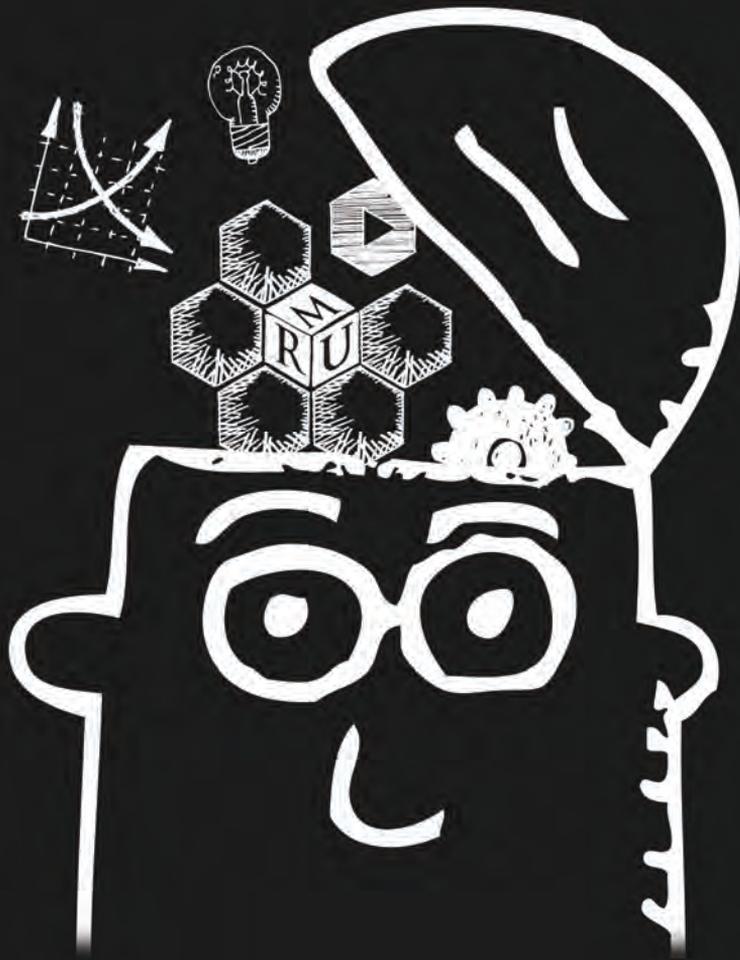
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