

Tatiana Rudchenko Ph.D

Senior-Lecturer  
Scheller College of Business

## Curriculum Vita

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## I. EARNED DEGREES

DOCTORATE OF PHILOSOPHY IN MATHEMATICS- 2005

*Voronezh State Technological Academy, Russia*

Thesis “Analysis of Mathematical Models for Economic Systems with Hysteresis Phenomena under Non-Stationary Conditions”

BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE - 1999

*Voronezh State University, Russia*

Graduated with Honors

BACHELOR OF SCIENCE IN TEACHING MATHEMATICS IN HIGH SCHOOL - 1983

*Sumy State Pedagogical University, Ukraine*

Graduated with Honors

## II. EMPLOYMENT HISTORY

- Full Time Senior-Lecturer at the Scheller College of Business (Fall 2021-present)
- Full Time Lecturer at the Scheller College of Business (Fall 2017-Spring 2021)
- Visiting Assistant Professor of Operations Management & Strategy and Innovation - Scheller College of Business (Fall 2015-Spring 2017)
- Full Time Temporary Assistant Professor of Economics and Quantitative Analysis - Kennesaw State University (Spring 2013-Spring 2015)
- Part-Time Assistant Professor, Department of Economics, Finance, & QA - Kennesaw State University (Fall 2012, Spring 2014)
- Part Time Assistant Professor, Department of Mathematics and Statistics - Kennesaw State University (Fall 2011- Summer 2012)
- Assistant/Associate Professor of Quantitative Analysis - Voronezh State University (2006-2010)
- Assistant Professor of Applied Mathematics - Voronezh State Technological Academy (2005-2006)
- Lead Business Analyst (part-time) - Voronezh Region Chamber of Commerce (2005-2006)
- Lecturer - Voronezh State Technological Academy (2004-2005)
- High School Accelerated Math Teacher with the highest category at N.G. Basov High School for advanced mathematical education affiliated with Voronezh State University (1991-2004)
- High School Math Teacher (1988-1991)
- Taught advanced college level classes for gifted students. Materials covered the following courses: Statistics, Calculus II, College Algebra, Trigonometry, Accelerated Mathematics, and Applied Mathematics.
- Implemented educational programs related to mathematics and accelerated mathematics. Ensured advanced level of students' knowledge and skills in Mathematics were in line with national academic standards

## III. HONORS AND AWARDS (2016-2025)

- Summer 2025 CIOS Honor Roll
- 2025 Linda and Lloyd L. Byars Scheller Award for Faculty Teaching Excellence
- Nomination for P&Q's Best Undergraduate Professors Award (Fall 2024)
- Fall 2024 CIOS Honor Roll
- 2023 Annual Decision Science Conference in Atlanta: Recognition for Chair of Track “Professor of Practice Showcase”. Certificate of Appreciation
- Recognition for receiving a TTL faculty grant in Fall 2023
- Summer 2023 Class of 1934 CIOS Honor Roll
- Curriculum Innovation Award from the Center for Teaching and Learning at Georgia Tech April 2023
- Spring 2023 CIOS Honor Roll

- Best Paper Award, Distance Teaching and Learning Conference 2022
- Spring 2022 CIOS Honor Roll
- Summer 2022 Class of 1934 CIOS Honor Roll
- Fall 2022 CIOS Honor Roll, Spring 2022 CIOS Honor Roll: Class of 1934 CIOS Honor Roll
- Summer 2021 Class of 1934 CIOS Honor Roll
- Spring 2021 CIOS Honor Roll
- 2021 Brady Family Awards for Faculty Teaching Excellence
- Student Recognition of Excellence in Teaching: Class of 1934 Award from CIOS for 2020 Year
- Student Recognition of Excellence in Teaching: Class of 1934 CIOS Honor Roll for 20219 Year
- 2019 Lecture of the Year in the Core Business Courses category
- Georgia Tech “Thank a Teacher” Certificates for every semester Spring 2016-Summer 2025

#### IV. EDUCATION AND MENTORSHIP

##### A. Courses Taught

Term	Course	Title	Section	Students
Spr 2026	MGT 2250	Management Statistics	A	57
Spr 2026	MGT 2250	Management Statistics	B	55
Fall 2025	MGT 2250	Management Statistics	A	67
Fall 2025	MGT 2255	Quantitative Analysis for Business	A	59
Fall 2025	MGT 2255	Quantitative Analysis for Business	B	75
Fall 2025	MGT 2255	Quantitative Analysis for Business	O	73
Summer 2025	MGT 2250	Management Statistics	O	55
Summer 2025	MGT 2255	Quantitative Analysis for Business	ES	56
Spring 2025	MGT 2250	Management Statistics	B	65
Spring 2025	MGT 2250	Management Statistics	C	63
Fall 2024	MGT 2250	Management Statistics	A	75
Fall 2024	MGT 2255	Quantitative Analysis for Business	A	70
Fall 2024	MGT 2255	Quantitative Analysis for Business	B	76
Summer	MGT 2250	Management Statistics	A	52
Spring 2024	MGT 2250	Management Statistics	B	67
Spring 2024	MGT 2250	Management Statistics	C	69
Fall 2023	MGT 2250	Management Statistics	A	70
Fall 2023	MGT 2255	Quantitative Analysis for Business	A	75
Fall 2023	MGT 2255	Quantitative Analysis for Business	B	75
Fall 2023	MGT 2255	Quantitative Analysis for Business	C	73
Summer 2023	MGT 2250	Quantitative Analysis for Business	ES	46
Spring 2023	MGT 2255	Quantitative Analysis for Business	B	69
Spring 2023	MGT 2250	Management Statistics	B	68
Spring 2023	MGT 2250	Management Statistics	C	69
Fall 2022	MGT 2250	Management Statistics	A	75
Fall 2022	MGT 2255	Quantitative Analysis for Business	A	65
Fall 2022	MGT 2255	Quantitative Analysis for Business	B	65
Spring 2022	MGT 2255	Quantitative Analysis for Business	A	64
Spring 2022	MGT 2255	Quantitative Analysis for Business	B	65
Spring 2022	MGT 2250	Management Statistics	C	63
Fall 2021	MGT 2250	Management Statistics	A	73

Fall 2021	MGT 2255	Quantitative Analysis for Business	A	46
Fall 2021	MGT 2255	Quantitative Analysis for Business	B	60
Fall 2021	MGT 2255	Quantitative Analysis for Business	C	62
Summer 2021	MGT 2255	Quantitative Analysis for Business	ES	46
Spring 2021	MGT 2255	Quantitative Analysis for Business	A	68
Spring 2021	MGT 2255	Quantitative Analysis for Business	B	75
Spring 2021	MGT 2250	Management Statistics	B	65
Spring 2021	MGT 2250	Management Statistics	C	65
Fall 2020	MGT 2255	Quantitative Analysis for Business	A	73
Fall 2020	MGT 2250	Management Statistics	B	69
Summer 2020	MGT 2255	Quantitative Analysis for Business	ES	58
Spring 2020	MGT 2250	Management Statistics	B	63
Spring 2020	MGT 2250	Management Statistics	A	23
Spring 2020	MGT 2255	Quantitative Analysis for Business*	C	52
Spring 2020	MGT 2255	Quantitative Analysis for Business	B	66
Spring 2020	MGT 2255	Quantitative Analysis for Business	A	63
Fall 2019	MGT 2250	Management Statistics	A	46
Fall 2019	MGT 2255	Quantitative Analysis for Business	B	56
Fall 2019	MGT 2255	Quantitative Analysis for Business	A	55
Summer 2019	MGT 2255	Quantitative Analysis for Business	ES	29
Spring 2019	MGT 2255	Quantitative Analysis for Business	A	72
Spring 2019	MGT 2255	Quantitative Analysis for Business	B	67
Spring 2019	MGT 2250	Management Statistics	A	50
Spring 2019	MGT 2250	Management Statistics	B	68
Fall 2018	MGT 2255	Quantitative Analysis for Business	C	59
Fall 2018	MGT 2255	Quantitative Analysis for Business	D	56
Fall 2018	MGT 2250	Management Statistics	A	52
Fall 2018	MGT 2250	Management Statistics	B	61
Spring 2018	MGT 2255	Quantitative Analysis for Business	A	66
Spring 2018	MGT 2255	Quantitative Analysis for Business	B	63
Spring 2018	MGT 2250	Management Statistics	A	19
Spring 2018	MGT 2250	Management Statistics	B	60
Fall 2017	MGT 2251	Management Science	C	51
Fall 2017	MGT 2251	Management Science	D	49
Fall 2017	MGT 2250	Management Statistics	A	42
Fall 2017	MGT 2250	Management Statistics	B	70
Spring 2017	MGT 2251	Management Science	B	60
Spring 2017	MGT 2251	Management Science	C	41
Spring 2017	MGT 2250	Management Statistics	A	31
Spring 2017	MGT 2250	Management Statistics	B	65
Fall 2016	MGT 2251	Management Science	A	46
Fall 2016	MGT 2251	Management Science	B	50
Fall 2016	MGT 2250	Management Statistics	A	49
Fall 2016	MGT 2250	Management Statistics	B	64
Spring 2016	MGT 2251	Management Science	A	38
Spring 2016	MGT 2251	Management Science	B	71

Spring 2016	MGT 2251	Management Science	C	71
Spring 2016	MGT 2250	Management Statistics	B	65
Fall 2015	MGT 2251	Management Science	A	41
Fall 2015	MGT 2251	Management Science	B	70
Fall 2015	MGT 2251	Management Science	D	37

\*MGT 2255 C: co-instructor

#### **B. Academic and Career Advising and Guidance Responsibilities**

- Number of students received one-on-one career advice and guidance outside of classroom instruction. Summer 2017: Served as faculty sponsor for internship for one undergraduate student(MGT 2251).

#### **C. Educational Innovations and other Contributions (2015-2025)**

- Implemented AI-powered, project-based learning with BoodleBox in MGT 2250 and MGT 2255 (Fall 2025).
- Implemented AI-powered, project-based learning with ChatGPT in MGT 2250 and MGT 2255 (Fall 2024 and Spring 2025).
- 2025 CTL and the Library Faculty Panel: Harnessing AI Tools to Make Teaching More Effective and Engaging, Panelist from Sheller College of Business.
- Navigating Teaching and Research in the Era of AI" Symposium (2024-20205, 2025-2026)
- Research in collaboration with Dr. Vincent Spezzo, Professor Lantz Ferrell, UWG "From Tools to Thinking: Cultivating Essential Skills in the Era of AI-Driven Teaching & Learning".
- 2024 Georgia Tech Retreat Exploring Effective Teaching 2024: exploring Transformative Teaching and Learning with HIPs and CUREs. Faculty Project Poster Session. Tatiana Rudchenko: "Connecting Theory with Real-world Practice for MGT 2255 Course"
- Session Facilitator "Education in the AI Era: Transformation in Online Learning" Celebrating Distance Teaching and Learning Symposium, October 29,2024
- TTL Faculty Grant "Integration ChatGPT 4.0 into the Management Statistics course" in Spring 2024
- TTL Faculty Grant "Connecting Theory with Real-world Practice for MGT 2255 Course." Fall 2023
- Chair of track "Professor of Practice Showcase" for Annual DSi 2023 Conference
- Guest Speaker in the USG CTL Distance& Learning Symposium November 7, 2022. Panel Discussion: Creating and Innovating Videos for Online
- Spezzo, V. M., & Rudchenko, T. (March, 2022). Leveraging Quizzes to Make Videos More Engaging: Student Impressions Before & After COVID. Presented at the Teaching Matters Conference at Gordon State College in Barnesville, Ga
- Spezzo, V. M., & Rudchenko, T. (March, 2022). Student Usage of Interactive Video Quizzing Before and After Covid. Poster Presented at the USG Teaching & Learning Conference (held virtually) in Athens, Ga
- Spezzo, V. M., & Rudchenko, T. Poster presentation "Closing the skill gap in Management Statistic Course" ASSA meeting in Chicago Jan 4,2021
- "Words of the Wiser Panel" with CTL (Center for Teaching and Learning) August 13, 2019: represented the Scheller College and shared selected experiences from teaching at Georgia Tech
- CTL workshop Teaching with Technology Spotlight: Video Based Quizzing November 14, 2019:
  - Workshop was developed through collaboration with the CTL
  - Video quizzing project for MGT 2250 was presented as well as the reasons to incorporate frequent quizzing system in different courses
- New course curriculum developed: MGT 2255 Quantitative Analysis for Business
- Curriculum Design: MGT 2250 Management Statistics
- **CTLTTP Projects:**
  - 2023-2024 Teaching with Technology Partnership Program: Canvas Video Quizzing System and Asynchronous video's impact on student well-being in MGT 2250 and MGT 2255 classes via scaffolding and flexibility. Research insights and findings were displayed on a poster during Teaching Day

- 2022-2023 Teaching with Technology Partnership Program: Evaluating the impact of digital tools in teaching on student well-being. Research insights and findings were displayed on a poster during Teaching Day
- Spring 2021 Teaching with Technology Partnership Program: Creating online video collection with modern approach and technological advantages for most difficult topics of MGT 2255
- 2019-2020 Teaching with Technology Partnership Program: Flipped Mastery Classroom Model for f2f and hybrid classes
- 2018-2019 Teaching with Technology Partnership Program: "Interactive Videos for MGT 2250 Management Statistics Course": Online Video Quizzing System for MGT 2250 was created and implemented
- **Presenting at Georgia Tech Celebrating Teaching Day Poster Sessions:**
  - Tatiana Rudchenko: "Hybrid Approach to Teaching Quantitative Classes: Excel vs. ChatGPT" (April 2025)
  - Tatiana Rudchenko: "Connecting Theory with Real-world Practice for MGT 2255 Course" (March 2024)
  - Tatiana Rudchenko & Spezzo Vincent "Electronic Tools & Student Wellbeing" (March 2024)
  - Tatiana Rudchenko & Vincent Spezzo "The impact of Electronic Resources on Student Mental Health." (March 2023)
  - Spezzo, V. M., & Rudchenko, T. Student Usage of Interactive Video Quizzing in Different Course Modalities (April 2022)
  - Spezzo, V. M., & Rudchenko, T. "Teaching with Technology Video Based Quizzing with Kaltura" (March 2020)
- Custom book developed: Custom textbook and custom online platform for MGT 2255 in collaboration with Pearson (2017, 2018)
- MGT 2255 Online/hybrid asynchronous Course designed
- MGT 2250 hybrid Course designed

#### **D. Educational Administration and Leadership**

- Symposium Chair "Navigating Teaching and Research in the Era of AI" (2024-2025, 2025-2026):
  - Program Development
  - Logistics & Coordination
  - Collaboration & Outreach
  - Strategic Impact
- Chair of track "Professor of Practice Showcase" for Annual DSI 2023 Conference:
  - Track Leadership and Organization
  - Session Creation and Management:
    - Create sessions within the track, Assign chairs for sessions
    - Review papers for the conference: Grant Editor Access including yourself
    - Coordination of Presenters and Panelists
    - Content Curation
  - Workshop and Event Facilitation
  - Help in Promotion and advertising
  - Communication
  - Evaluation and Feedback

#### **Workshop Leadership**

- 2025 DSI Annual Conference (November 2025)
  - Tatiana Rudchenko, Meredith Lancaster, Lantz Ferrell "Empowering Students and Education with AI Agents for Personalized, Project-Based Learning." 2025 DSI Annual Conference (November 2025)
  - Invited Panelist "Scholarship of Teaching and Learning" Session.
- 2025 DLA Conference (July 2025)
  - Tatiana Rudchenko (GaTech), Lantz Ferrell (University of West Georgia) Fishbowl Presentation: "AI Proficiency: The Skills Defining Success in the Digital Age."
- 2025 Teaching & Learning with AI Conference, (May 2025)

- Tatiana Rudchenko (GaTech) Dr. Hulya Julie Yazici (Florida Gulf Coast University) “Transforming Business Education: Empowering Students Through Generative AI Integration.”
- 2025 USG Teaching Conference (April 2025)
  - Tatiana Rudchenko, Lantz Ferrell (University of West Georgia) “Generative AI-based Teaching and Projects in Quantitative Classes: Real-World Applications and Innovative Learning.”
  - Tatiana Rudchenko, Vincent Spezzo, Saba Colakoglu “Leveraging ChatGPT for Personalized Learning and Student Well-being: Innovations, Challenges, and Future Directions in Higher Education.”
- 2024 Learning Administration Conference in Jekyll Island, Ga
  - Spezzo, V. M., & Rudchenko FISHBOWL (60 min). Supporting Students Wellbeing at a Distance
- 2023 DSU Annual Conference in Atlanta, Ga
  - Rudchenko, T& Spezzo, V. M. Panel (90 min) How Educators Can Support Student Wellbeing Via Innovative Pedagogy and Flexibility
  - Rudchenko, T& Spezzo, V. M. Workshop (90 min) Teaching Management Statistics and Management Science Using Video Quizzing: An Innovative Digital Approach.
  - Spezzo, V.M.&Rudchenko, T workshop (90 min) “Harnessing AI in the Classroom: A Discussion on Utilizing Generative AI in Teaching Operations Management and Analytics”
- InteractUSG a University System of Georgia Conference in Savannah, Ga. September 2023
  - Workshop (60 min) Spezzo, V.M., & Rudchenko, T. Teaching with Technology Partnerships: A Formalized Relationships Between Technology Administrators.
- CTL Workshop November 2019
  - CTL workshop (90 min) Rudchenko, T& Spezzo, V. M. Teaching with Technology Spotlight: Video Based Quizzing November 14, 2019
- Epic Intentions (student organization) Priority/Lead Consultant
- Partnerships with Norfolk Southern Company for Transformative Teaching 2023-current
- The lead Instructor for MGT 2250 and 2255 (2015-current time)
- KSU Math Circle Session Leader and Co-Director (2012-2015).

## V. RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

### A. *Referred Publications and Submitted Articles*

#### A1. Published and Accepted Journal Articles

- Kate Williams, Tatiana Rudchenko. Transformative Teaching in Management Statistics: Integrating Real-World Experiences and Artificial Intelligence. *Decision Sciences Journal of Innovative Education - Decision on Manuscript DSJIE-24-0133.R1*
- Bushuev, M. A., Guiffrida, A. L., & Rudchenko, T. (2018). Supply chain delivery performance improvement for several delivery time distributions. *International Journal of Operational Research*, 33(4), 538-558
- Bushuev M.A., Brown J.R., Rudchenko T. Improving delivery performance for asymmetric Laplace distributed delivery time in a two-stage supply chain (2018). *International Journal of Production Research*, 56 (15), 5172-5187
- M.Garner, T.Rudchenko,V.Watson and O.Chashechnikova “Mathematics after School in Ukraine” (2018). *American Journal of Educational Research* 6(8):117-126
- Gorelick J., Yarmolinsky L., Budovsky A., Khalfin B., Klein J.D., Pinchasov Y., Bushuev M., Rudchenko T., Ben-Shabat S. (2017). The impact of diet wheat source on the onset of Type 1 Diabetes mellitus – lessons learnt from the Non-Obese Diabetic (NOD) mouse model. *Nutrients*, 9(5), 482
- Gorelick, J., Yarmolinsky, L., Budovsky, A., Khalfin, B., Klein, J.D., Pinchasov, Y., Bushuev, M.A., Rudchenko, T. and Ben-Shabat, S. (2017). Reply: Diabetogenic Potential of Ancestral and Modern Wheat Landraces, *Nutrients* 2017, 9, 816. *Nutrients*, 9(9), 922
- Verhoeven P, Rudchenko T. Student Performance in a Principle of Microeconomics Course under Hybrid and Face-to-Face Delivery. *American Journal of Educational Research*, November 2013- P. 413-418

#### A2. Conference Presentation with Proceedings (Refereed)

- Spezzo, V. M, Rudchenko T. (2025) Leveraging ChatGPT for Personalized Learning: Innovations and Challenges in Higher Education Pedagogy. 2025 Distance Learning Administration
- Spezzo, V.M., & Rudchenko, T.V., (2022), Interactive Videos: Student Perceptions Before and After the Great Pivot. In M. N. Clay & L. Robison (Eds.), 2022 Distance Learning Administration
- Jay Brown (Loyola University Maryland), Maxim Bushuev (Morgan State University), Tatiana Rudchenko Excel-Based Continuous Review Inventory Game (November 2023). 2023 DSi Annual Conference
- Spezzo, V. M., & Rudchenko, T. (March, 2022). Student Usage of Interactive Video Quizzing Before and After Covid. Poster Presented at the USG Teaching & Learning Conference (held virtually) in Athens, Ga
- Spezzo, V. M., & Rudchenko, T. Poster presentation “Closing the skill gap in Management Statistic Course” ASSA meeting in Chicago Jan 4,2021
- Maxim Bushuev (Morgan State University), Jay Brown (Loyola University Maryland), Tatiana Rudchenko (November 2022). Supply Chain Delivery Coordination Using Blockchain Smart Contracts. 2022 DSi Annual Conference
- Rudchenko T Southeast Decision Sciences Institute Wilmington Conference “Supply chain delivery performance improvement for uniformly distributed delivery time”, February 2014
- Rudchenko T. Current approach to analysis of investment project // Conference Proceedings of International Scientific- Practice Conference of April 10, 2009 “Current problem of accounting, economic analysis and financial controls of company’s operations”. – P. 173-175
- Matveyev M., Semenov M., Rudchenko T., Kutepova L. Hysteresis Macro-Economical Model // Conference Proceedings of International Scientific Conference “Actual Problems of Applied Mathematics and Mathematical Modeling”, Voronezh: VSTA, 2005. – P. 146
- Semenov M., Rudchenko T. Price Formation Model within Hysteresis Demand Function // Scientific Journal “Mathematical and Instrumental Methods in Economics”, Voronezh: VSTA, 2005. – № 2. P. 35-39
- Matveev M., Semenov M., Rudchenko T. Problem of Optimal Goods Manufacture, Market and Storage in Hysteresis Demand Function Conditions // Conference Proceedings of International Scientific Conference (April 29-30, 2005), Voronezh: VSU, 2005. – № 2. – P. 398-408
- Semenov M., Rudchenko T. About Optimal Solution of the Same Class Tasks with Hysteresis Phenomena // Conference Proceedings, Voronezh Mathematical School, Voronezh: VSU, 2005. – P. 142

#### A3. Other refereed material

- Endovitskii D., Kulikov V., Rudchenko T. Factor Stochastic Analysis of Premium Payments of Administrative Personnel // Peer-reviewed Journal of Economic Analysis: Theory and practice. №18. 2009– P. 2-15
- Rudchenko T., Matveyev M., Semenov M. Developing of a Model of Optimal Goods Manufacturing, Market and Storage within Hysteresis Demand Function and Non-stationary of Consumer’s Behavior // Peer-reviewed Scientific Journal of Voronezh State University. Series: Physics and Mathematics. №1, January-June, 2007. – P. 58-63
- Semenov M., Rudchenko T. Balanced Price Formation Model within Hysteresis Demand Function // Peer-reviewed Scientific Journal of Voronezh State University. Series: Physics and Mathematics. №1, January-June, 2007. – P. 184-189
- Rudchenko T., Lapygin D., Kutepova L., Sumin V. About Optimal Solution of Economic Tasks of the Same Class // Scientific Journal “Survey of Applied and Industrial Mathematics”, Moscow, 2005. – №3. – P. 670-671
- Rudchenko T., Perova A., Kutepova L. Problem of Optimal Manufacturing Strategy // Scientific Journal “Systems Modeling and IT”, Voronezh, 2005. – № 2. – P. 227-230

#### A4. Published books, book chapters, and edited volumes.

- Rudchenko T. Investments in the International Business. Training Textbook Part I // Voronezh State University, 2009

- Rudchenko T. Investments in the International Business. Training Textbook Part II // Voronezh State University, 2009
- Rudchenko T. Linear Algebra with Elements of Analytical Geometry. Practical Training. Summary in Russian and English. Training Textbook // Voronezh State University, 2008
- Rudchenko T. Linear Algebra with Elements of Analytical Geometry. Practical Training // Voronezh State University, 2006

B. Other Publications and Creative Products

- Rudchenko T., M. Garner, V. Watson “Kennesaw State University Math Circle Summer Camp June 25 – July 6, 2012”// Conference Proceedings of International conference of Sumy State Pedagogical University named after A.S. Makarenko “Students Intellectual and Creative Skills Development in the Process of Training Them in The Subjects of Natural and Mathematical Set (ITM\*plus-2012)” – P. 8- 11
- Rudchenko T. Experience of International Relations Department in Students & Staff Exchange Program Implementation // Conference Proceedings of International Scientific Conference of May 14-15, 2008 “Educational Systems in Context of International Cooperation: Problems and prospect”. Voronezh, 2008. – P. 72-77
- Rudchenko T. Three Principal Functions of IT – Modern International Business Technologies Today // Conference Proceedings of All-Russian Scientific Conference “New Type of Economic System Management”. Part II. Voronezh: 2008. – P. 191-195
- Rudchenko T. Problems and Prospects of E-commerce Market Development in Russia // Conference Proceedings of International Scientific Conference. Part II. “Problems of Economic System Development in Russia in XXI century”. Voronezh: 2008. - P. 74-77
- Rudchenko T., Steady Limit Cycles in One Macro-Economic Model // Scientific Journal “Mathematical Methods in Technique and Technologies”, Kazan: KSTU, 2005. – № 7. – P. 8-10
- Semenov M., Rudchenko T., Perova A. Macro-Economic Models and Steady Cycles // Scientific Journal “Important Problems of Economy and Business”, Voronezh, 2004. – № 7. – P. 102-106

C. Presentations

- Tatiana Rudchenko, Meredith Lancaster “Empowering Students and Education with AI Agents for Personalized, Project-Based Learning.” 2025 DSI Annual Conference (November 2025)
- Maxim Bushuev (Morgan State University), Jay Brown (Loyola University), Tatiana Rudchenko “Blockchain Applications in Supply Management.” 2025 DSI Annual Conference (November 2025)
- Jeanne Law (Kennesaw State University), Tatiana Rudchenko “AI for Everyday Life: How Prompting Frameworks Help Learners Engage with Generative AI” Georgia Tech’s Lifetime Learning Symposium (October 2025)
- Tatiana Rudchenko “From Excel to AI: Teaching Quantitative Business Skills for a Tech-Forward Future”. 2025 Fall Teaching Kickoff. Concurrent Sessions. Connecting More with Our Students: Teaching Innovation Showcase.” (August 2025)
- Vincent Spezzo, Tatiana Rudchenko. Workshop “Leveraging ChatGPT for Personalized Learning: Innovations and Challenges in Higher Education Pedagogy.” DLA 2025 Conference (July 2025)
- Tatiana Rudchenko (GaTech), Lantz Ferrell (University of West Georgia) Fishbowl Presentation: “AI Proficiency: The Skills Defining Success in the Digital Age”, DLA 2025 Conference (July 2025)
- Vincent Spezzo, Tatiana Rudchenko “Leveraging AI-powered Chatbots to Improve Student Engagement.” Learning Impact Conference (June 2025)
- Tatiana Rudchenko Dr. Hulya Julie Yazici (Florida Gulf Coast University) “Transforming Business Education: Empowering Students Through Generative AI Integration” 2025 Teaching & Learning with AI Conference, (May 2025)
- Tatiana Rudchenko, Lantz Ferrell (University of West Georgia) “Generative AI-based Teaching and Projects in Quantitative Classes: Real-World Applications and Innovative Learning.” USG Teaching Conference (April 2025)
- Tatiana Rudchenko, Vincent Spezzo, Saba Colakoglu “Leveraging ChatGPT for Personalized Learning and Student Well-being: Innovations, Challenges, and Future Directions in Higher Education.” USG Teaching Conference (April 2025)

- Vincent Spezzo, Tatiana Rudchenko. Supporting Student Wellbeing at a Distance” Distance Learning Administration Conference (July 2024)
- Tatiana Rudchenko. Empowering Students with AI in Quantitative Courses. The USG Teaching and Learning Conference (April 2024)
- Kate Williams, Tatiana Rudchenko. Transforming Teaching with Experiential Learning in the Classroom. The USG Teaching and Learning Conference (April 2024)
- Spezzo, V.M., & Rudchenko, T. (September 2023). Teaching with Technology Partnerships: A Formalized Relationships Between Technology Administrators. Presented at interactUSG a University System of Georgia Conference in Savannah, Ga
- Spezzo, V.M., McQuiad, B., Smith, M. & Rudchenko, T. (November 2023). Harnessing AI in the Classroom: A Discussion on Utilizing Generative AI in Teaching Operations Management and Analytics. Presented at the 2023 DSi Annual Conference in Atlanta, Ga
- Rudchenko, T., Hora, M., Yazici, H.J., Bushuev, M., Brown, J., Ollmann, J., & Spezzo, V.M., (November 2023). How Educators Can Support Student Wellbeing Via Innovative Pedagogy and Flexibility. Presented at the 2023 DSi Annual Conference in Atlanta, Ga
- Rudchenko, T. & Spezzo, V.M., (November, 2023). Teaching Management Statistics and Management Science Using Video Quizzing: An Innovative Digital Approach. Presented at the 2023 DSi Annual Conference in Atlanta, Ga
- Spezzo, V. M., & Rudchenko, T. (March, 2022). Leveraging Quizzes to Make Videos More Engaging: Student Impressions Before & After COVID. Presented at the Teaching Matters Conference at Gordon State College in Barnesville, Ga
- Spezzo, V. M., & Rudchenko, T. (March, 2022). Student Usage of Interactive Video Quizzing Before and After Covid. Poster Presented at the USG Teaching & Learning Conference (held virtually) in Athens, Ga
- Spezzo, V. M., & Rudchenko, T. Poster presentation “Closing the skill gap in Management Statistic Course” ASSA meeting in Chicago Jan 4,2021
- Fourth Annual Kennesaw Mountain Undergraduate Mathematics Conference “Problem Solving and Ethical Leadership in a Mathematics Summer Camp”, October 11, 2014
- International webinar “A Cross-Cultural Comparison of Extra-Curricular Activities in Mathematics for High School Students in the Ukraine and the U. S.” Presentation “US Higher Education”, April 3, 2014
- Southeast Decision Sciences Institute Wilmington Conference “Supply chain delivery performance improvement for uniformly distributed delivery time”, February 2014
- Third Annual Kennesaw Mountain Undergraduate Mathematics Conference “The KSU Math Circle Summer Camp”, Fall 2013
- Second Annual Kennesaw Mountain Undergraduate Mathematics Conference “Applications of Fuzzy- Set Theory in Operations Research”, Fall 2012

#### D. Grants and Contracts

- Provost Teaching and Learning Initiatives Grant “Scheller Annual Educational Platform: Navigating Teaching and Research in the Era of AI” 2025-2026.
- PI T. Rudchenko. Provost Teaching and Learning Initiatives Grant “Integrating Generative AIs in Quantitative Courses”2024-2025.
- PI T. Rudchenko. TTL Faculty Grant “Connecting Theory with Real-world Practice for MGT 2255 Course” Fall 2023; “Integration ChatGPT 4.0 into the Management Statistics course in Spring 2024 at Scheller College of Business: Preparing students for AI-driven business environments”.
- KSU Math Circle Summer Camp 2015, Co-PI T. Rudchenko, Co-PI J.Dorado and, PI V. Watson, AMS Epsilon Grant \$4,500, April 2014 – February 2015.
- KSU Math Circle Summer Camp 2015, Co-PI T. Rudchenko, Co-PI M. Garner and, PI V. Watson, Dolciani Mathematics Enrichment Grants, \$4,500, April 2014 – September 2015.
- KSU Math Circle Summer Camp 2014, Co-PI T. Rudchenko, Co-PI J.Dorado and, PI V. Watson, AMS Epsilon Grant \$7,500, April 2013 – February 2014.
- KSU Math Circle Summer Camp 2013, Co-PI T. Rudchenko, Co-PI M. Garner and, PI V. Watson, Dolciani Mathematics Enrichment Grants, \$6,000, April 2013 – September 2013.

- KSU Math Circle, Co-PI T. Rudchenko, Co-PI M. Garner and, PI V. Watson, Dolciani Mathematics Enrichment Grants, \$5,656, May 2012 – September 2012.
- KSU Math Circle, Co-PI T. Rudchenko, Co-PI M. Garner and, PI V. Watson, National Association of Math Circles, \$1500, September 2012 – May 2013.

E. Other Scholarly and Creative Accomplishments

- DLA 2025 Conference Proceeding  
<https://dlajekyll.com/past-conferences>
- CTL blog: 2025-26 Provost Teaching and Learning Initiatives  
<https://blog.ctl.gatech.edu/2025/08/01/2025-2026-provost-teaching-and-learning-initiatives/>
- CTL blog: Announcing the 2024-25 Provost Teaching and Learning Initiatives  
<https://blog.ctl.gatech.edu/2024/09/20/announcing-the-2024-25-provost-teaching-and-learning-initiatives/>  
<https://blog.ctl.gatech.edu/2024/09/20/announcing-the-2024-25-provost-teaching-and-learning-initiatives/>
- CTL blog about DSI 23: CTL Partners with Scheller to Provide Several Sessions at the 2023 DSI Conference:  
<https://blog.ctl.gatech.edu/2023/12/13/ctl-partners-with-scheller-to-provide-several-sessions-at-the-2023-dsi-conference/>
- CTL blog: From Partnership to Publications (and Awards)  
<https://blog.ctl.gatech.edu/2022/08/12/from-partnership-to-publications-and-awards/>
- Spezzo, V.M., & Rudchenko, T.V., (2022), Interactive Videos: Student Perceptions Before and After the Great Pivot. In M. N. Clay & L. Robison (Eds.), Distance Learning Administration Annual: Proceedings of the Distance Learning Administration  
<https://ojdla.com/articles/interactive-videos-student-perceptions-before-and-after-the-great-pivot?fbclid=IwAR1R7UwtIfe9x5mcQRZbRXu-ClycuYPQIq2uV7nBVK1dKruE0yHNwVYQj0>
- Rachel Luckcuck Feedback online:  
<https://www.scheller.gatech.edu/news/2020/countdown-to-commencement-meet-undergraduate-rachel-luckcuck.html>
- CTL's blog: Applying Video-Based Quizzing to Your Classroom  
<https://blog.ctl.gatech.edu/2020/01/21/applying-video-based-quizzing-to-your-classroom/>

F. Societal and Policy Impact

- *Shaping Educational Policy through Innovation and AI Integration*  
Led national symposia and institutional workshops focused on transforming teaching through AI, equity, and personalized learning. Secured competitive Provost's Teaching and Learning Initiatives grants to pilot scalable innovations in AI-enhanced education.
- *Community Engagement through Student-Led Initiatives*  
As Lead Consultant for Epic Intentions and through partnerships with Norfolk Southern and CwP, enabled students to apply classroom knowledge to real-world problems in nonprofits and industry, fostering civic responsibility and leadership.
- *Contributions to Mental Health and Digital Equity in Education*  
Presented and published research on student well-being and accessibility in online learning, contributing to inclusive practices and supporting policy improvements in digital pedagogy.
- *Mentorship and Systemic Capacity Building*  
Trained and mentored PhD students and faculty in innovative pedagogy, expanding instructional capacity and enhancing the quality of quantitative education across Georgia Tech.

**VI. SERVICE**

**A. Professional Contributions**

- Symposium Chair “Navigating Teaching and Research in the Era of AI” (2024-2025, 2025-2026)
- Chair of track “Professor of Practice Showcase” for Annual DSI 2023 Conference

- DSI member
- See section C.

## **B. Public and Community Service**

- Priority/Lead Consultant of Epic Intentions (student organization)
- Partnership with Norfolk Southern, PwC, BoodleBox
- Engaging the public through educational innovations, and student mental health initiatives

## **C. Institute Contributions**

C1. Lead Instructor for MGT 2250 and 2255 – Current

- Implemented AI-powered, project-based learning with BoodleBox in MGT 2250 and MGT 2255 (Fall 2025).
- Implemented AI-powered, project-based learning with ChatGPT in MGT 2250 and MGT 2255 (Fall 2024 and Spring 2025).
- 2025 CTL and the Library Faculty Panel: Harnessing AI Tools to Make Teaching More Effective and Engaging. Panelist from Sheller College of Business
- 2025 Fall Teaching Kickoff. Concurrent Sessions. Connecting More with Our Students: Teaching Innovation Showcase".
- Presentation "From Excel to AI: Teaching Quantitative Business Skills for a Tech-Forward Future".
- Panelist in the Syllabus Clinic session.

C2. Fall 2016 – Present: Provided training, pedagogical and instructional guidance for preparing and facilitating MGT 2250 (Management Statistics) and MGT 2251/2255 (Quantitative Analysis for Business). Efforts also include setting up hybrid/online platforms

C3. Spring 2016 - Present: Supervised graduate and undergraduate Teaching Assistants to support classroom grading/tutoring.

C4. Operations Management Representative on the Teaching Effectiveness committee

- Chair of Track "Professor of Practice Showcase" for DSI 23

C5. Undergraduate Office Support of Syllabi Reviews – Critique and evaluate syllabi (5-8 per week) to make recommendations of transfer of hours and/or parallel instruction of Georgia Tech-accredited courses and those offered by other academic institutions (both domestic and international)

- Statistical Analytics in Society of Actuaries
- Management Statistics
- Business Analytics
- Management Science
- Business Statistics
- Statistics

## **D. Other Professional Activities**

Fall 2025- Spring 2026 APL Mentoring Network, Mentor, Dr. Justina Jackson, Dr. Tuba Ketenci

Fall 2023-current: Partnerships with Norfolk Southern and CwP for MGT 2250, 2255 classes

## **VII. PROFESSIONAL GROWTH AND DEVELOPMENT**

- 2025
  - Fall Teaching Kickoff
  - STUKENT webinar: GenAI Essentials: A 3-Part Guide to Teaching for an AI Future. (September 2025)
  - Harvard Business School workshop: Using Generative AI to Create Engaging Customized Learning Experiences. Workshop leader: Professor Mike Roberto (September 2025)

- DSI Annual Pedagogy Conference: Innovating Business Education: Tomorrow's Trends and Technologies, June 2025
- Teaching with Technology Roundtable: Connecting with students beyond the classroom, March 2025
- DASI Brown Bag: AI chatbots in Statistics and Analytics Education
- 2024
  - DASI Brown Bag: Introducing Generative AI into Analytics Classes
  - CTL Career Well-Being Certificate Workshop in Fall 2024
  - CTL Leadership Exploration Certificate Workshop in Fall 2024
  - Workshop: Using ChatGPT for Teaching and Learning Statistics 2.0. Instats
  - Workshop: ChatGPT for Excel Essentials Made Easy by Ray Evans. GRCIQ
  - Using ChatGPT for Advanced Data Analysis 2.0. Instats
  - CTL workshop Enhancing Inclusive Teaching with AI
- 2023
  - Harvard Business Publisher Education: How ChatGPT and Other AI Tools Can Maximize the Learning Potential of Your Case-Based Classes; June 1, 2023
  - DASI Brown Bag: How Will ChatGPT Affect Analysis Instruction? April 2023
  - CTL Teaching and Learning in an Age of Artificial Intelligence:
  - What is ChatGPT and How are Georgia Faculty Responding, February 26, 2023
  - Transforming Teaching and Learning with ChatGPT, May 11, 2023
  - Developing Course Guidelines for Students' Use of Artificial Intelligence, August 15, 2023
  - CTL Transformative Teaching Workshop May 2023
  - Transformative Teaching Innovative Incubator June 2023 - November 2023
- 2022
  - Fall Teaching Kickoff 2022 August 15, 2022
  - Teaching for Student Success Micro-Workshop Series
  - USG CTL Distance& Learning Symposium November 7, 2022
- 2021
  - Inclusive Teaching Symposium
  - Plan, Design, Develop and Implement Videos for Your Class October, November 2021
  - National Center for Faculty Development & Diversity: Secrets to a Super Productive Semester Webinar
  - GT Remote and Hybrid Teaching Academy
  - 5Negotiation Faculty Workshop
  - Introduction to Implicit Bias
- 2020
  - Design Syllabus for Remote Teaching and Learning
  - Effective Assessment of Students Learning
  - Canvas Course Navigation and Tools Overview
  - Choosing the Right Tool for Content Delivery
  - Assessment Technologies Overview
  - Making Documents Accessible
  - GT Classroom AV Technologies in support of Hybrid Teaching
  - Virtual Implicit Bias Workshops
  - Webinar on Using Honorlock with Canvas
  - Virtual event “A Conversation on Racial Inequality and Its Impact”
  - Administering and Grading Exam with Gradescope
  - Planning and Developing Course Assessment for an Uncertain Landscape
  - Course Engagement Best Practices
  - Pearson webinar: 9 Strategies for Maximizing Student Engagement and Learning Achievement in Online Classes
- 2019
  - Creating Conditions for Well-Being in Georgia Tech's Learning Environments
  - Graduating Global Citizens: A Roundtable Discussion

- Brain-based Teaching
- Grading: Are both equity and rigor possible
- Helping Students Succeed by Embracing Failure
- Teaching with Technology Spotlight. Video based Quizzing
- Understanding Learner Engagement: Kaltura Analytics
- 2018
  - Fall Teaching Kickoff
  - Little Actions, Big Impact
  - Leveraging Canvas to Create Engaging Learning Experiences
  - Canvas Training (3 days)
  - Getting and Keeping Students' Attention: CTL's Faculty Development Workshop
- 2017
  - *Designing and Developing Videos for Teaching and Learning*: Strategies and Resources, by the Center for Teaching and Learning and Georgia Tech Professional Education
  - Managing Emotions under Pressure, by the Fred Pryor Seminars
  - Dealing with Difficult People, by the Fred Pryor Seminars
  - How to Communicate with Tact and Professionalism, by the Fred Pryor Seminars
  - Inspired Teaching: Integrating Methods from Outside My Discipline, by the Center for Teaching and Learning and Georgia Tech Professional Education
- 2016
  - Course Design Studio (4 days)
  - Fall Teaching Kickoff
  - Developing and Assessing Major Assignments
  - Beyond Think-Pair-Share: Conducting Productive and Engaging Discussions in Every Course
  - Project Management Workshop. Fred Pryor Seminars & Career Track (2 days)
  - Helping Students Struggle: Focusing Effort on What Really Matters – CETL
- 2015
  - Certificate of completion of Kennesaw State University's Internal Quality Matters Hybrid Course Certification for ECON 3300-Applied Statistical and Optimization Models
- 2014
  - KSU Center for Excellence in Teaching & Learning Certificate of Completion of Online Course Development Workshop

## Teaching Philosophy

Over the past ten years at the Scheller College of Business, I have had the privilege of teaching core quantitative courses: Management Statistics (MGT 2250) and Quantitative Analysis for Business (MGT 2255). These courses form the analytical foundation of our undergraduate business curriculum, and my teaching philosophy is built upon three essential pillars: creating an inclusive and supportive environment, integrating advanced technology into learning, and cultivating reflective, data-driven thinkers.

Throughout my time at Scheller, I have continuously enhanced my teaching through innovative uses of technology, ranging from Excel-driven modeling to interactive video quizzes with animations, and the integration of AI-powered models into my courses. Most recently, I have had the honor of partnering with BoodleBox, an AI-powered analytics platform. This collaboration allows my students to apply and compare results using advanced AI tools like ChatGPT, Claude, Gemini, and others after first working through problems in Excel to build strong foundational skills. This dual approach not only improves technical fluency but also encourages students to think critically about AI's role in business decision-making.

Reflection is at the heart of my pedagogy. Students are encouraged to analyze their own learning process and answer questions: how AI shaped their understanding, how statistical methods apply to real-world business scenarios, and how different approaches yield different insights. These reflective practices support growth in ethical reasoning, critical thinking, and metacognition, essential skills in today's rapidly evolving, data-driven workplace.

My teaching model reflects my continued commitment to excellence, innovation, and student success, not only in quantitative skill-building, but also in ethical reasoning, collaboration, and adaptability.

A central theme that now guides my work is “From Tools to Thinking: Cultivating Essential Skills in the Era of AI-Driven Teaching & Learning.” In my classroom, AI is not used as a shortcut but as a catalyst for deeper analysis, decision-making, and critical reflection. Students are taught to compare human and machine-generated insights, ask thoughtful questions, and recognize the power and limits of emerging technology.

I work to ensure these beliefs are embedded in my courses through clear expectations, flexible delivery formats, purposeful support, and regular, open communication with students.

My goal is not only to teach quantitative methods but also to build a culture of trust, confidence, and curiosity.

Teaching is not a static profession. Teaching is a dynamic journey of growth. After ten years at Scheller College of Business, I remain as energized and dedicated as ever to preparing students for the challenges and opportunities of a data-driven world.