Colleagues,

Welcome to the spring 2022 edition of *Impact: Dyson*. This is my first, and I can already attest that Dyson has had an impact on me! From the moment I arrived here last summer, I have been impressed with how we all—Dyson’s exceptional faculty, staff, students, alumni, and friends—contribute to Dyson’s ethos, “Our business is a better world.”

Ed McLaughlin established this publication as a way to communicate about Dyson community’s milestones and recent scholarly research, teaching, and engagement activities. *Impact: Dyson* will expand, too, as we navigate changing waters, providing one lens to use in focusing on developments that strengthen our school’s cohesiveness, as a member of both the Cornell SC Johnson College of Business and the College of Agriculture and Life Sciences. This issue includes important news on that score, with the inaugurations of the Dyson Recent Alumni Council and the Dean’s Student Advisory Council. We also feature our signature Grand Challenges and SMART programs, both of which manifest our engagement in its truest sense.

Dyson faculty’s steady drumbeat of critical research continued in 2021; some are featured in this publication, and all are collected at the back. Chris Barrett’s work on Kenyan farmers’ adaptations to climate effects, Cathy Kling’s examination of water rules and transboundary pollution, Vicki Bogan’s study of self-employment and mental health, Eswar Prasad’s treatise *The Future of Money*, and Daniela Scur’s and Kevin Kniffin’s (separate) explorations of COVID effects on the workplace, are just some examples of our impactful cutting-edge research. Our faculty examine the workings of the world and effect innovations in management and policies in order to understand and to improve organizational performance and people’s lives across New York State, the United States, and the world. I invite you to share this document with colleagues, and to invite them to learn more about the Dyson School’s research mission.

Our faculty also have direct positive impacts on our students, not only by engaging them with the newest knowledge from the frontiers of research, but by instilling in them the spirit of going beyond traditional boundaries in their work. Our responsible, caring students know that they have much to contribute, and our faculty model the discipline and leadership to address societal challenges and readiness to engage with real-world problems.

Our school’s namesake, Charles H. Dyson, was an example. The son of immigrants, he possessed an entrepreneurial spirit and a passion for giving back. We can make his legacy the multiplier he intended, in our work’s effects and our community relationships.

I look forward to the good work we will do together.
Aleksandr Michuda studies how machine learning and big data can be used to solve problems in development economics. He is particularly interested in the role of rideshare applications in transforming the labor market in emerging markets. He has a joint appointment with the Department of Information Science in the Cornell Bowers School of Computing and Information Science and the Dyson School of Applied Economics and Management. He earned a Ph.D. in Agricultural and Resource Economics from University of California at Davis.

Fridah Mubichi-Kut grew up in Eastern Kenya and worked in Mozambique, witnessing extensive malnutrition, poverty, and aid dependency among farming communities. Perplexed by the paradox of the hungry farmer and dependency on aid, she has remained curious and eager to better understand the role of agricultural interventions, innovations, market, and social networks play in promotion of socio-economic development. She holds a Ph.D. from the University of Missouri and Masters degrees from Northeastern University, Oklahoma City University, and the United States International University Africa.
Dean Jinhua Zhao brings decades of expertise to Dyson. Prior to joining Dyson, he was a professor of economics and director of the Environmental Science and Policy Program at Michigan State University. He conducts research in the broad area of environmental and resource economics, with special interests in global climate change, renewable energies, water, technology adoption, dynamic decision making under uncertainty, and applied microeconomics in general. He was a co-editor of the *Journal of Environmental Economics and Policy*, *Annual Review of Resource Economics* and *Frontier of Economics* in China. He served on the Environmental Economics Advisory Committee of the US. Environmental Protection Agency’s Science Advisory board, and in other advisory roles to the EPA. He also has research interests in China’s environment, including government regulation and individual behavior, environmental valuation, and payment for ecosystem service.
Mohammad Mainul Hoque's recent research has centered on the livelihoods of forcibly displaced Rohingyas encamped in Bangladesh, and life expectancy at birth in relation to lifetime education and earnings.

James Stapp’s private sector management experience is in the music, retail, and hospitality industries. His primary research interest lies in persuasive communication and the science of influence and decision making.
Chen-Ti Chen is a postdoctoral research associate jointly working at the Cornell Lab of Ornithology and the Charles H. Dyson School of Applied Economics and Management. An applied microeconomist focusing on agricultural and environmental issues, he received his Ph.D. in Economics from Iowa State University.

Osama Sajid’s research is in development and environmental economics, with a focus on climate change and human welfare. He is currently working on quantifying financial impacts of climate change for farms in the midwest United States. Previous studies have examined flooding in India and Pakistan, relying on the use of satellite data and geospatial datasets.
Dyson’s faculty excellence continues to be recognized by students, peers, and professional associations. In 2021, our faculty received the awards and distinguished recognitions listed below. These honors cover each of the functional areas in which we fulfill our land grant mission, including seven awards for teaching excellence, one award for extension/engagement excellence, and ten awards for research excellence. Several of these awards were of the highest honor given by the granting organization.

As of March 2022, the Dyson School had 67 faculty: 12 assistant professors, 12 associate professors, 27 full professors and 24 Research, Teaching, Extension faculty. Our undergraduate management program consistently ranks among the top twenty in US polls. For 2021, we were ranked #8 by U.S. News.

<table>
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<tr>
<th>Faculty</th>
<th>Award, Organization</th>
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<tr>
<td>Jawad Addoum</td>
<td>Merrill Presidential Scholars Program Faculty Honoree, from Cornell University</td>
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<td>Vicki Bogan</td>
<td>Dyson Faculty Research Excellence – “Our Business Is a Better World” Award, from Dyson</td>
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<tr>
<td>Ralph Christy</td>
<td>AAEA Fellows Award, from American Applied Economics Association</td>
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<td>Jorge Colón</td>
<td>Innovative Faculty Teaching Award, from Cornell College of Veterinary Medicine</td>
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<td>Brian Dillon</td>
<td>President's Merrill Scholar Mentor Award, Ruth Park, Cornell Merrill Presidential Scholar</td>
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<td>Carla Gomes</td>
<td>2021 Feigenbaum Prize, Association for the Advancement of Artificial Intelligence</td>
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<td>Shanjun Li</td>
<td>Fellow, the Coase Project, University of Chicago</td>
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<td>Jurate Liaukonyte</td>
<td>Finalist, Don Morrison Long Term Impact Award, INFORMS Society for Marketing Science</td>
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<td>Cynthia Lin Lawell</td>
<td>Top Female Economist Based on Publications, from Research Papers in Economics (RePEc)</td>
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<td>Edward Mabaya</td>
<td>Simon Brand Memorial Address, Agricultural Economics Association of South Africa (AEASA)</td>
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<td>Matthew Marx</td>
<td>Best Paper, Future of Growth Conference, Research Centre for Economic Analysis</td>
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<td>Aleksandr Michuda</td>
<td>SPIA Small Grant for Agricultural Innovations in Ethiopia, UC Davis</td>
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<td>Alireza Moghimi</td>
<td>Nominated for SUNY Chancellor's Award for Excellence in Teaching, SUNY</td>
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<td>Ariel Ortiz-Bobea</td>
<td>2021 Outstanding Journal Article of the Year Award, <em>American Journal of Agricultural Economics</em></td>
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<td>Quality of Research Discovery Award, AAEA</td>
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<td>Eswar Prasad</td>
<td>Best Book List, for <em>The Future of Money</em>, from <em>The Age</em> (Australia); <em>The Mint</em> (India); <em>The Week</em> (UK)</td>
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<td>Best Business and Economics Books of 2021, for <em>The Future of Money</em>, <em>The Economist</em></td>
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<td></td>
<td>Best Economics Books of 2021, for <em>The Future of Money</em>, <em>Financial Times</em></td>
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<td>Ivan Rudik</td>
<td>Outstanding Early Career Achievement, Dyson School</td>
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<td>Roberta Severson</td>
<td>Outstanding Achievement in Engagement, Dyson School</td>
</tr>
<tr>
<td>James Stapp</td>
<td>Faculty Fellow for Inclusive Excellence, Dyson Office of Diversity and Inclusion</td>
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<tr>
<td>John Tobin-de la Puente</td>
<td>Senior Faculty Fellow, Cornell Atkinson Center for Sustainability</td>
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<td></td>
<td>Teaching Recognition Award for Excellence in Sustainable Finance Education, <em>Financial Times</em> (FT) and the Impact and Sustainable Finance Faculty Consortium</td>
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<tr>
<td>Cindy Van Es</td>
<td>Louis and Edith Edgerton Career Teaching Award, Cornell CALS</td>
</tr>
<tr>
<td>Sumudu Watugala</td>
<td>Faculty Fellow, Cornell Atkinson Center for Sustainability</td>
</tr>
<tr>
<td>Scott Yonker</td>
<td>Best Discussant Award, Drexel University Corporate Governance Conference</td>
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Recent Alumni Council forming in spring 2022
The Dyson School is pleased to announce the founding of its Recent Alumni Council (DRAC), with its inaugural meeting held April 1, 2022 in NYC. Recent alumni (those between 1 and 10 years past graduation) will assist the College’s Office of Alumni Affairs and the Dyson dean’s office in implementing the school’s strategic goals. Thoughtfully engaging students and recent alumni, the council’s activities will encompass advising and mentorship, admissions and recruitment, and diversity and inclusion efforts and opportunities.

Dyson Leads initiative expanding in Spring 2022
From a single annual in-person event, Dyson Leads is growing into a branding sequence of activities, including virtual webinars and in-person events, always involving faculty, alumni and industry leaders. Two virtual events were held this fall (see page 17 for links and details) and Dyson Leads’ spring in-person event, held March 31 in NYC, featured former Councilmember Mark Tatum ’91, deputy commissioner and COO of the National Basketball Association.

Dyson central to November 2021 NYC signature event
Dyson’s faculty and alumni expertise were on full display as part of Business at a New Threshold: Harnessing Finance and Data for Sustainable Prosperity, the college’s November 11, 2021 series of panels launching our brand-new collaboration and education space at 570 Lexington Avenue in Manhattan. Hilary Maxson, Dyson ’99 MBA ’05, EVP and CFO of Schneider Electric, chatted with SC Johnson College dean Andrew Karolyi about ESG-linked bonds and the future of the energy transition. Lauren Taylor-Wolfe, Dyson ’00 and founder of Impactive Capital, contributed to a panel discussion with John Tobin-de la Puente and JGSM dean Mark Nelson on climate and impact finance. Professor David Ng presented a talk outlining his climate finance class and Impact Finance lab, and Dyson dean Jinhua Zhao outlined Dyson’s overall commitment to the school’s motto: “Our business is a better world.”
Dyson students are engaged leaders all around Cornell and the world. Here are just a few examples. For more information about Dyson’s student organizations and programs, click here.

**Dyson Undergraduate Council (DUC)**
The Dyson Undergraduate Council is a student-directed organization committed to promoting and strengthening the Dyson School. The organization consists of undergraduate students with diverse backgrounds and experiences, all united by their passion for the Dyson School community and their major. The DUC hosted **Better Business Week** March 15-18. This year’s keynote address was given by Devry Boughner Vorwerk, MS ’99 in Agricultural Economics.

**Dyson Diversity Council (DDC)**
The Diversity Council cultivates trust by identifying patterns in the student experience through open-dialogue communication amongst any and all Dyson School students, faculty, and staff. At its core, the DDC members will act as agents of change and as a uniting support pillar to further promote the mission and vision of the Dyson Office of Diversity and Inclusion, cultivating an inclusive and equitable environment for all of the Dyson School and by extension the SC Johnson College of Business at large.

**Dean’s Student Advisory Council (DSAC)**
Dean Jinhua Zhao has announced the formation of the Dean’s Student Advisory Council, a group of undergraduates who will advise the Dean and other school leaders on matters of importance to Dyson students. This group will also support and coordinate student action to improve the Dyson student experience, by actively seeking a full range of student voices and opinions and to attend to Dyson student populations who may have unique needs or characteristics. The DSAC held its first meeting in April 2022.

**Social Enterprise Group Cornell**
This cross-Cornell undergraduate student organization is dedicated to “market-driven solutions to social issues.” The group pursues education and hands-on consulting experience with socially-responsible organizations and businesses. SEGC promotes social impact as a career through on-campus events, conference attendance, and open lectures. This spring, Dyson students **Andrew Darby ‘23** and **Apoorva Kumar ‘24** are managing projects.

**Cornell FinTech Club**
Dyson students **Althea Bata ‘24** and **Darla Andoni ‘22** have this spring founded the first campus-wide undergraduate club for future fintech professionals. Holding weekly discussions, new member education, and corporate signature events, the club seeks to foster the Cornell fintech community. The club’s first event is coming up: an NFT-themed Blockchain Hackathon, April 29-May 1, 2022, on the Cornell campus.
UNDERGRADUATE DEGREE PROGRAM
David Lennox, Director

Dyson’s undergraduate program in Applied Economics and Management guides and trains students to thrive in a respectful academic community and to devote their skills toward positive—sometimes transformational—effects on people, business, and the planet.

GRAND CHALLENGES CURRICULUM
John Tobin-de la Puente, Academic Director

Dyson has created the Grand Challenges curriculum as a way for undergraduates to engage in complex and concrete community challenges, locally and globally. The curriculum further differentiates Dyson’s Applied Economics and Management (AEM) business program, helping students develop critical skills in self-awareness, project teaming, and leadership for societal impact. (A more detailed feature appears on page 15.)

STUDENT MULTIDISCIPLINARY APPLIED RESEARCH TEAMS (SMART)
Fridah Mubichi-Kut, Program Director

This global service-learning program pairs students and faculty with communities and organizations in emerging economies to address applied economic and business management challenges. This year, SMART adopted a hybrid program model, launching four multi-year research initiatives in the USA and Africa. (See page 14 for a detailed feature.)

LEADERSHIP BY DESIGN@DYSON
Donna Haeger, Faculty Director

Leadership is everyone’s responsibility, and our students learn to lead in communities through high-impact engagement and understanding self and others. Through the new Dyson Leadership Fellowship program, students are equipped, inspired, and empowered to exemplify “Our Business is a Better World” and to grow the Fellowship through peer mentoring. Part of creating an inclusive cross-university community of leadership students, the Fellowship now includes a newly-formed Leadership Alumni Mentoring program.

MINORS
Denise Ramzy, Director

The Business Minors Program is the largest on Cornell’s campus, with over 15% of Cornell undergraduates enrolled in our program and 600+ graduates per year across 8 different minors. As part of the Johnson College of Business, Dyson, Nolan and Johnson Graduate School of Business each contribute courses, key faculty and resources to the minors program. Beyond the general Business minor, we manage two endowed Dyson Business minors (DBMLS and DBME), which offer discipline-specific business minors to Life Sciences and Engineering students. As such, they provide an important service and bridge to CALS and Engineering. There are currently about 750 students enrolled across those two programs, and each one graduates about 100 students yearly.
MASTER OF PROFESSIONAL STUDIES (MPS) in Applied Economics and Management
Aija Leiponen, Program Director

Cornell’s 10-month MPS in AEM is designed to launch the student’s career in business economics and management. The MPS entails 30 credit hours with a strong emphasis on analytical insights through coursework and a capstone problem-solving project, recently pairing problem-solving project teams with clients from consulting, healthcare, and startups in fintech, veterinary technology, and digital health. Top graduate career paths include finance, marketing, and management/operations; top industries include banking, consumer goods, consulting, and food.

CEMS MASTER IN INTERNATIONAL MANAGEMENT (MIM)
John Tobin-de la Puente, Program Director

One of the world's 34 top business schools, Dyson is the only US school to offer the CEMS MIM (Master in International Management) along with the MPS in Applied Economics and Management. Along with MPS requirements, students complete CEMS core elements such as global strategy and global leadership and complete a global business project and international internship. Each student spends a semester abroad at a CEMS partner school with peers from around the world, developing lasting relationships with faculty and students, CEMS corporate and social partners, and CEMS alumni.

MASTER OF SCIENCE (MS) Program in Applied Economics and Management
Calum G. Turvey, Director

The MS in Applied Economics and Management is a world-ranked program of study covering the fields of Food and Agricultural Economics, Environmental, Energy and Resource Economics, International and Development Economics and Management, spanning finance, marketing, entrepreneurship, and strategy. This year, the State University of New York (SUNY) approved the change of our CIP code to Econometrics and Quantitative Analysis, which is a STEM program. About one-third of our students continue on to high-level global PhD programs, and our graduates work in economic and managerial consulting, commodity trading, corporate and investment finance, management, and as applied economists with USDA, World Bank, and World Trade Organization.
Ph.D. PROGRAM
in Applied Economics and Management
Shanjun Li, Director

Through rigorous training and supportive mentoring, Dyson’s Ph.D. program in Applied Economics and Management trains future leaders in academia, international organizations, government agencies, and industries. Despite the challenges posed by COVID, our graduates have secured teaching and research positions at Hong Kong University of Science and Technology, Stanford University, and Utah State, as well as positions in government agencies including the EPA and leading companies such as Uber.
The centers, institutes, and initiatives listed here are those in which Dyson’s expertise, energy, personnel, and guidance are prominently involved. For a full list of our college’s centers, institutes, and initiatives, click [here](#).

**CORNELL INSTITUTE FOR CHINA ECONOMIC RESEARCH (CICER)**

Panle Jia Barwick, Co-Director  
Shanjun Li, Co-Director

As a hub for rigorous and impactful economic research, CICER collaborates with scholars, policymakers and industry leaders around the world to conduct cutting-edge economic research on China’s most important economic and social issues. The recent rising of economic nationalism and protectionism heightened our sense of urgency in promoting evidence-based policy making.

**CORNELL TAX SCHOOLS**

Dario Arezzo, Director

The Cornell Tax School started in 1947 as the Farm Income Tax School to provide tax training to NYS farmers and their financial advisors. The School now offers a variety of intermediate-to-advanced tax training programs to meet the continuing education requirements of over 900 CPAs, tax practitioners, attorneys and other financial advisors annually through both in person and live on-line programs.

**FOOD INDUSTRY MANAGEMENT PROGRAM (FIMP)**

Miguel Gomez, Academic Director

FIMP integrates Cornell’s pillars of research, education, and industry outreach to address critical issues in food supply chains and food retailing. Students in the Food Marketing Fellows program will travel to Portugal this April for industry visits. Recent research has examined links between online-offline food purchases and food waste and the economics of intermediation of local foods. Upcoming (mostly in-person!) executive education programs include: International Fresh Produce Association (3/27/22-4/1/22), National Grocers Association, (6/5/22-6/9/22), and the Food Executive Program (7/10/22-7/15/22).

**INITIATIVE ON RESPONSIBLE FINANCE (IRF)**

David Ng and John Tobin-de la Puente, Co-Directors

The Initiative on Responsible Finance convenes faculty, graduate and undergraduate students and practitioners to focus on research, teaching, and outreach and engagement activities at the interface of finance and sustainability. Scholarly research collaborations cover the broad area of responsible finance, including fiduciary duty, executive compensation, behavioral economics and financial risk management, the role of asset managers and institutional investors, impact investing products, and metrics of values-based investment strategies.
NY FARMNET
Wayne Knoblauch, Faculty Director

NY FarmNet assists New York State farms through periods of transition, opportunity, and challenge by providing consulting services to address financial and social stress. Through a team of farm consultants and educational programming, NY FarmNet helps train and inform the greater agricultural community in topics ranging from farm succession planning to identifying and managing stress to destigmatizing mental health.

TATA-CORNELL INSTITUTE FOR AGRICULTURE AND NUTRITION (TCI)
Prabhu Pingali, Director

TCI is a long-term, multidisciplinary research initiative focused on creating and assessing innovative food-systems-based approaches for improving nutrition and livelihoods in India and other developing countries. Through the TCI Scholars program, the Institute supports 8 current Dyson doctoral students. In February 2022, TCI embarked on a new research project aimed at reducing GHG emissions from agriculture in India while maintaining or improving farm productivity. TCI has published 3 books, 34 journal articles, and 12 book chapters, and 4 self-published reports.

INSTITUTE FOR BEHAVIORAL AND HOUSEHOLD FINANCE (IBHF)
Vicki L Bogan, Founder and Director

IBHF fosters independent research and education in the areas of behavioral finance and household finance. With broad outreach across the world, affiliates strive to study investment decisionmaking behavior and to inform consumer financial-related policies and regulation. IBHF just celebrated its eighth anniversary. Follow on Twitter: @IBHF1.
Dyson’s Grand Challenges Curriculum

John Tobin-de la Puente, Academic Director

Dyson’s Grand Challenges curriculum is a way for undergraduates to engage in complex—and concrete—societal challenges on a local, regional, national, and global scale. Students apply their business skills to solve pressing societal problems, and make a positive impact on the world around them. Grand Challenges helps students develop critical skills in project execution, teamwork, client relationship management, self-awareness, and leadership for societal impact.

The Grand Challenges curriculum consists of coursework in students’ sophomore, junior, and senior years, including a writing course centered on contemporary global issues for sophomores, a junior-level course covering both hard and soft skills required to succeed in client engagements, and a client-facing senior capstone project working with a business, a non-profit, or a governmental organization.

For example, student teams in the 2021-2022 AEM 300 course explore stakeholder perspectives involving food insecurity, the Ithaca Green New Deal, and healthcare access. Students in the Pre-Project Immersion course are grouped into teams according to the Sustainable Development Goal they believe to be most urgent. While learning about the landscape of their topic in the Ithaca area, each team builds their skills in teamwork, presentation, and critical reflection, a key component of the Grand Challenges @Dyson curriculum, preparing students for their senior-year capstone project. (As mentioned previously, student projects conducted with the SMART program are eligible as capstone projects.) During the summer of 2021, we placed 32 students on projects with 14 organizations. Local community partners included the United Way of Tompkins County, Community Foundation of Tompkins County, Visions Federal Credit Union, Ithaca Kitchen Cupboard, and others.

Grand Challenges at Dyson sequence helps students gain core competencies increasingly in demand by employers as signs of maturity and career readiness: communication skills, teamwork, critical thinking, cultural humility, global awareness, client relation skills, and more. Dyson students grow into confident and thoughtful leaders who can meet the challenges of our time through business and service.

“Our Business Is a Better World” is the foundational principle upon which all of Dyson School’s programs are based. Grand Challenges helps our students succeed in business not only because they have the strongest skills, but also because they understand how business decisions can directly and dramatically impact society, and that their work can be a force for good.
Student Multidisciplinary Applied Research Teams (SMART)

Fridah Mubichi-Kut, Director
Ralph Christy, Founding Director

...Evaluating digital platforms’ impacts on small businesses...designing an index for hospitality & tourism industries’ impact on economic development...initiating a Kenyan life-science incubator...developing a women-led apiculture business in Mauritania...these are just a few SMART projects completed by Dyson SMART teams since 2002.

A vibrant extension of the Emerging Markets Program, SMART teams Cornell students and faculty with small companies, organizations, and community groups in developing countries and emerging economies to collaborate on projects that address a partner’s specific need.

Students work on well-defined assignments challenging them to apply classroom knowledge and skills in real world development settings. Students provide technical assistance and analytical support, present their research and analyses, and then develop publishable case studies and other materials to enrich learning in university classrooms and executive education programs. SMART projects are also eligible to meet Dyson’s Grand Challenges requirements for graduation.

SMART is proud to welcome Fridah Mubichi-Kut as its new director and visionary. As the world continues to cope and adapt to the COVID-19 pandemic, the SMART program will consist of primarily virtual projects until 2023. Still, the SMART projects for this academic year have been uniquely designed to provide students with opportunities to explore the development of digital technologies and e-commerce strategies. Students have been engaged in various research activities, like interviewing entrepreneurs and MSME owners, compiling data for datasets, and conducting organization and community audits.

Current SMART projects:
1. Kenya: Villgro Africa (social enterprise and healthcare incubator)
2. Mauritius: Ti.A. Bee Products Ltd. (apiculture development)
3. USA: New Orleans (digital platforms and economic development)
Dyson Diversity and Inclusion
Jennifer Majka, Director

The Dyson Office of Diversity & Inclusion (ODI) works in collaboration with students, staff, faculty, alumni, and corporate partners to cultivate a diverse and inclusive climate of belonging, successfully preparing graduates to address the challenges of our diverse, interconnected world.

The Office of Diversity & Inclusion strengthens diversity, equity, inclusion, and belonging at Dyson through three intersecting areas that are central to fostering inclusive communities across difference and holistic student development: enrichment, engagement, and education.

Enrichment: First-generation, low-income, underrepresented minority students, and students with other aspects of marginalized identities will be well supported and positioned for academic, personal, social, and career success, and all students will have a sense of belonging at Dyson. We advocate for policy and programmatic transformation that supports closing the equity chasm, thus facilitating student success from enrollment to graduation.

Engagement: Students will cultivate teamwork and interpersonal relationships with diverse peers, engage in the Dyson community in meaningful ways across difference, contribute to a culture of inclusion and collective leadership within Dyson, and develop critical thinking and communication skills necessary to be successful in a diverse workforce and global community. We apply equity design to core student experiences.

Education: Students now have the option of taking one of two AEM courses that fulfill the CALS diversity requirement, AEM 2015 The Business Case for Diversity and Inclusion, and AEM 3015 Developing Racial Equity in Organizations. AEM 3015 also fulfills the Dyson Grand Challenges capstone project requirement.

Dyson Diversity Scholars Program:
DDS is an alumni-funded program designed to provide enhanced support and resources to Dyson undergraduate students who identify as first-generation, low-income, underrepresented minority, and/or students who believe they could benefit from the program to further their success at Cornell.
A few select examples of faculty thought-leadership.


July 23, 2021: Dyson dean Jinhua Zhao moderated this panel discussion on the eCornell Keynotes platform, featuring faculty Lourdes Casanova and alumnus Pablo Borquez Schwarzbeck. The panel discussed new technologies empowering emerging markets businesses to drive innovation, local development, and global competition.

**Business at a New Threshold: Harnessing Finance and Data for Sustainable Prosperity**

November 11, 2021: At the intersection of sustainability and finance are the hot topics of stakeholder and impact investing, climate finance, and corporate responsibility. Last November 11, a college-wide panel of faculty and alumni assembled a comprehensive series of panels to inaugurate our newly-minted collaboration space at 570 Lexington Avenue in NYC. With college dean Andrew Karolyi, Dyson dean Jinhua Zhao, John Tobin, David Ng, Cathy Kling, Ariel Ortiz-Bobea.

**Conscious Consumption: Embracing Green Marketing to Boost Loyalty and Impact**

December, 2021: Today’s consumer is more environmentally conscious than ever, with COVID-19 accelerating this shift. In December 2021, faculty joined alumni experts in a discussion of ways in which companies are committed to implementing and practicing sustainable business methods, make their products more attractive to consumers, and increase brand loyalty. With faculty Suzanne Shu, Harry Kaiser, Shanjun Li, and alumni Drew Fraser ’89 and Stephanie Evans ’10.

**Dyson Leads: Advancing Food Security Through the Private Sector**

February 22, 2022: In the United States, millions of people suffer from food insecurity, and the COVID-19 pandemic may add millions more. In this installment of Dyson Leads, a panel of alumni and faculty addressed the critical issue of how the private sector can tackle food insecurity as a necessary supplement to public sector actions. With Chris Barrett, Miguel Gomez, Devry Boughner Vorwerk, MS’99, and Anne Byrne, Ph.D. ’21.
The following pages showcase just a few examples of Dyson’s impactful faculty research across our academic areas.

**COLLEGE-WIDE FACULTY AREAS AND THEIR COORDINATORS**

**ACCOUNTING**  
- ROBERT LIBBY (Samuel Curtis Johnson Graduate School of Management)

**APPLIED ECONOMICS AND POLICY**  
- NANCY CHAU (Charles H. Dyson School of Applied Economics and Management)

**FINANCE**  
- JUSTIN MURFIN (Charles H. Dyson School of Applied Economics and Management)

**MANAGEMENT AND ORGANIZATIONS**  
- BRUCE TRACEY (Peter and Stephanie Nolan School of Hotel Administration)

**MARKETING AND MANAGEMENT COMMUNICATION**  
- MANOJ THOMAS (Samuel Curtis Johnson Graduate School of Management)

**OPERATIONS, TECHNOLOGY, AND INFORMATION MANAGEMENT**  
- GARY M. THOMPSON (Peter and Stephanie Nolan School of Hotel Administration)

**STRATEGY AND BUSINESS ECONOMICS**  
- AIJA LEIPONEN (Charles H. Dyson School of Applied Economics and Management)
Within-Season Producer Response to Warmer Temperatures: Defensive Investments by Kenyan Farmers

Economic Journal, 131, 633, January 2021

LINK TO PAPER

Co-authors

• Christopher B. Barrett, Stephen B. and Janice G. Ashley Professor of Applied Economics and Management, Charles H. Dyson School of Applied Economics and Management, Cornell SC Johnson College of Business, Cornell University
• Maulik Jagnani, University of Colorado at Denver
• Yanyan Liu, International Food Policy Research Institute
• Liangshi You, International Food Policy Research Institute

Summary

With short-run weather risks—extreme events such as heatwaves—widely projected to grow in the years ahead due to climate change, it is crucial to know how well and quickly farmers in low-income countries adjust to exogenous shocks to production. Barrett et al present evidence that farmers adjust agricultural inputs in response to within-season temperature variation, undertaking defensive investments to reduce the adverse agro-ecological impacts of warmer temperatures. Using panel data from Kenyan maize-growing households, the authors find that higher temperatures early in the growing season increase the use of pesticides, while reducing fertiliser use. Warmer temperatures throughout the season increase weeding effort. These adjustments arise because greater heat increases the incidence of pests, crop diseases and weeds, compelling farmers to divert investment from productivity-enhancing technologies such as fertiliser to adaptive, loss-reducing, defensive inputs such as pesticides and weeding labour.
Contract employment as a worker discipline device

Journal of Development Economics 149, March 2021

LINK TO PAPER

Co-authors

• **Arnab K. Basu**, Professor, Charles H. Dyson School of Applied Economics and Management, Cornell SC Johnson College of Business, Cornell University
• **Nancy H. Chau**, Professor, Charles H. Dyson School of Applied Economics and Management, Cornell SC Johnson College of Business, Cornell University
• **Vidya Soundararajan**, Indian Institute of Management

Summary

Fixed-term labor contracting has increasingly replaced regular open-ended employment in developing countries. What justifies its emergence? What determines its intensity? What policy responses are appropriate, if any? In a two-tiered task-based model of the labor market, Basu and Chau demonstrate that within establishments, fixed-term contracting can indeed co-exist with open-ended efficiency wage contracts as it enables firms to enforce regular worker discipline at strictly lower cost. Furthermore, the intensity of fixed-term employment is shown to increase even in times of rising labor demand, if a fixed-term worker status does not increase the likelihood of regular job arrival. Using establishment-level data from Indian manufacturing, the authors find evidence consistent with such an assumption. Policy-wise, the model unveils two margins of hiring distortions associated with fixed-term employment task assignment and total employment distortions against which the merits of a suite of oft-noted labor market flexibility policies can be assessed.
Analyzing the Economics of Food Loss and Waste Reductions in a Food Supply Chain

*Food Policy* 98, January 2021, 101953

**Summary**

This paper provides an economic model of food waste for consumers, intermediaries and farmers based on first principles, distinguish between purchases and sales for each intermediary, purchases and consumption for consumers, and gross production versus sales for farmers. Because of waste at each stage of the supply chain, agents need higher sales prices to compensate. The authors’ model is able to make more accurate predictions of how interventions (public policies or private initiatives) designed to reduce food waste influence the markets overall, including indirect (cascading) effects. They show the uniqueness of these interaction effects with a formal model and simulate an empirical model calibrated to market parameters and rates of waste for two commodities (chicken and fruit) in the UK. Showing that the impacts of reducing waste vary by commodity, depending on supply and demand elasticities, degree of openness to international trade and the initial rates of food loss and waste at each stage of the value chain, de Gorter and Just interpret the cascading effects up and down the supply chain to mean that in some cases interventions to reduce food waste will be reinforced while in other cases partially offset.
Do Grocery Food Taxes Incentivize Participation in SNAP?

Regional Science and Urban Economics, September 2021

LINK TO PAPER

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Summary

The Supplemental Nutrition Assistance Program (SNAP) is the largest federal food assistance program in the United States and is designed to reduce food insecurity especially for low income working families, disabled people, and senior citizens. Although economists have extensively studied the factors influencing SNAP participation by eligible households as well as SNAP efficacy in reducing food insecurity, there has been no research on the potential link between the grocery food sales tax and SNAP participation rates, which is a less visible benefit of SNAP participation because participants are not taxed on their food purchases. The purpose of this research is to examine the impact of grocery food tax differences between state border counties on differences in SNAP participation. Kaiser et al collect food sales tax data from 2010 to 2017 including all 1184 counties on state borders in the United States, and almost one-half of those border counties (42.6% for 2017) had a sales tax on grocery food. Our results suggest that a 1% increase in the grocery tax difference between cross-border neighbors is associated with a 0.12% increase in the difference in county-level SNAP participation. That is, counties with higher grocery taxes than their neighboring counties have higher SNAP participation rates, which is likely due to the tax shielding feature of SNAP. This result has implications for states/counties that rely on the grocery tax for funding government programs.
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Summary

Debates about the decentralization of environmental policy are important and are far from resolved. Interregional spillovers provide one key justification for centralized regulation: When regulation is decentralized, individual jurisdictions may not protect downstream or downwind neighbors from their pollution (2, 3).

Under the Trump administration, the US Environmental Protection Agency (EPA) and US Army Corps of Engineers (ACE) departed from precedent to support the deregulation of US waterways in the repeal of the 2015 Clean Water Rule (CWR) and its replacement with the 2020 Navigable Waters Protection Rule (NWPR). In doing so, they assumed (with little evidence) that many states would fill gaps in federal oversight. With the Biden administration having signaled its intent to modernize regulatory review and to review specific deregulatory actions taken by the Trump administration, Kling et al describe here how this environmental federalism approach downplays the importance of cross-state pollution and relies on flawed methods of benefit-cost analysis that could be used to weaken other statutes.
Consumer Boycotts, Country of Origin, and Product Competition: Evidence from China’s Automobile Market

*Management Science* 67 (9) September 2021

**Summary**

Triggered by a territorial dispute as well as historical animosity, a nationwide civilian boycott of Japanese products took place in China in the summer of 2012. Using detailed data on vehicle sales in four major Chinese cities (Beijing, Tianjin, Shanghai, and Nanjing), this study investigates the impact of boycotts on sales and advertising effectiveness of products from different countries of origin. The boycott dramatically reduced the market share of Japanese brands and benefitted Chinese and non-Japanese foreign brands. Consumer switching to other brands accounted for the majority of the loss in sales. Advertising became less effective for Japanese brands during the boycott but more effective for non-Japanese brands, especially at the parent-brand level (e.g., Toyota) than sub-brand level (e.g., Camry). The sales impacts were strongest in Nanjing, the city that had the most atrocious war experience with Japan during the Battle of Nanjing in 1937, and weakest in Beijing, where local government agencies explicitly discouraged public demonstrations. Finally, although the decline in sales of Japanese brands did not vary by quality or production location, competing non-Japanese brands that were had better quality or were manufactured locally benefitted more.

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Anthropogenic climate change has slowed global agricultural activity growth

*Nature Climate Change*, 11, 4, April 2021

**LINK TO PAPER**

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- David B. Lobell, Stanford University

**Summary**
Enhancing agricultural productivity is vital to lifting global living standards and advancing sustainable food production in the face of escalating challenges to agriculture and the environment. Agricultural research has fostered productivity growth, but the historical influence of anthropogenic climate change (ACC) on that growth has not been quantified. Here, Ortiz-Bobea et al develop a robust econometric model of weather effects on global agricultural total factor productivity (TFP) and combine this model with counterfactual climate scenarios to evaluate impacts of past climate trends on TFP. Their baseline model indicates that ACC has reduced global agricultural TFP by about 21% since 1961, a slowdown that is equivalent to losing the last 7 years of productivity growth. The effect is substantially more severe (a reduction of ~26–34%) in warmer regions such as Africa and Latin America and the Caribbean. The authors also find that global agriculture has grown more vulnerable to ongoing climate change.
The Future of Money: How the Digital Revolution is Transforming Currencies and Finance


Author

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Summary

“The shift away from cash, as it turns out, is both a consequence and a manifestation of other big changes afoot,” says Eswar Prasad early in his 2021 book. “The world of finance is on the verge of major disruption, and with that will come advances that affect households, corporations, investors, central banks, and governments in profound ways.” Observing the tidal wave of changes in financial behavior in countries rich and poor alike, Prasad foresees the end of cash, as central banks develop their own digital currencies to compete with Bitcoin and Facebook’s Diem. This book provides a compelling and authoritative guide to the promise of Fintech and the perils of cryptocurrencies. Featured on the Best Books of 2021 lists of The Economist, Financial Times, The Week (U.K), Mint (India), and The Age (Australia).
The effect of leaded gasoline on elderly mortality: Evidence from regulatory exemptions

*American Economic Journal: Economic Policy, 13, 3, August 2021*

**Link to Paper**

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**Summary**
Lead (Pb) is a toxic heavy metal associated with numerous adverse outcomes ranging from increased aggressive behavior to premature mortality. In response to mounting health concerns, countries around the world began taking action in the 1970s to reduce lead exposure. However, leaded gasoline is still used globally for aviation and automotive racing. Exploiting regulatory exemptions and a novel quasi-experiment, the authors find that leaded gasoline use in racing increases ambient lead, elevated blood lead rates, and elderly mortality. The mortality estimates indicate that each gram of lead added to gasoline exceeds $1,100 in damages. Ruling out potential confounders, such as correlated pollutants or socioeconomic status, they provide the first causal estimates linking adult mortality to leaded gasoline, highlight the value of banning on-road leaded gasoline, and present policy-relevant cost estimates at the lowest ambient levels to date.
Summary

Entrepreneurship has been shown to drive economic growth (Baumol, 1996), at least partially because new businesses create jobs at a much higher rate than established firms (Haltiwanger et al., 2008). Due to the importance of entrepreneurship to the economy, the traits of successful entrepreneurs have been intensely studied and documented by academics and businesspeople alike.

Historically, the most discussed characteristic of entrepreneurs has been attitude toward risk. This paper analyzes the role of mental health in self-employment decisions, finding evidence of a relationship between psychological distress and self-employment for men that depends on type of self-employment and severity of psychological distress. Specifically, there is suggestive evidence of a causal link from moderate psychological distress to self-employment in an unincorporated business as a main job for men. Additionally, Bogan and Just find evidence that long term mental illness can significantly increase the probability of self-employment in an unincorporated business for both men and women. These results suggest that individual difficulty in wage-and-salary employment is the likely mechanism for this connection.
Friends with Bankruptcy Protection Benefits

Journal of Financial Economics, 139,2, February 2021

LINK TO PAPER

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Summary
In 1981, U.S. household debt comprised 57% of disposable income and exponentially grew, reaching 124% by 2007. This increase has been accompanied by research into the broader economic impact of household debt. In this research, two concerns in particular have been studied. First, debt overhang limits a household’s incentives to invest or to enter the labor market, and second, in tandem with the rise of personal leverage, delinquency and default rates increased, and today more than one-third of households have debt in collections. Yonker et al demonstrate how information spillovers limit the effectiveness of targeted debt relief programs, focusing on individuals who learn about the likelihood of debt relief from the recent experiences of workplace peers filing for bankruptcy protection. They discover that peers granted bankruptcy can discharge debts, while peers facing dismissal lose all protections. Exploiting the random assignment of judges to bankruptcy cases, the research determines that individuals with a “dismissed peer” are significantly less likely to file for bankruptcy or enter foreclosure. The authors highlight a novel channel relating social networks to household finances and identifies additional costs of granting individual debt relief imposed on lenders.
COVID-19 and the Workplace: Implications, Issues, and Insights for Future Research and Action

American Psychologist, 76,1, 2021

LINK TO PAPER

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Summary

The impacts of COVID-19 on workers and workplaces across the globe have been dramatic. This broad view of prior research rooted in work and organizational psychology, and related fields, is intended to make sense of the implications for employees, teams, and work organizations.
Revisiting the Entrepreneurial Commercialization of Academic Science: Evidence from “Twin” Discoveries

Management Science 68 (2)

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• David H. Hsu, Wharton School, University of Pennsylvania

Summary
With universities increasingly concerned with economic development alongside their longstanding teaching and research missions, scholars have sought to better understand the factors that explain academic entrepreneurship. Which factors shape the commercialization of academic scientific discoveries via startup formation? Prior literature has identified several contributing factors but does not address the fundamental problem that the commercial potential of a nascent discovery is generally unobserved, which potentially confounds inference. Marx and Hsu construct a sample of approximately 20,000 “twin” scientific articles, which allows them to hold constant differences in the nature of the advance and more precisely examine characteristics that predict startup commercialization. In this framework, several commonly accepted factors appear not to influence commercialization. However, the authors find that teams of academic scientists whose former collaborators include “star” serial entrepreneurs are much more likely to commercialize their own discoveries via startups, as are more interdisciplinary teams of scientists.
Caring for the Commons: Using Psychological Ownership to Enhance Stewardship Behavior for Public Goods

Journal of Marketing, 85 (2) 2021

LINK TO PAPER
LINK TO VIDEO

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• Colleen P. Kirk, New York Institute of Technology
• Joann Peck, Wisconsin School of Business
• Andrea W. Luangrath, Tippie College of Business, University of Iowa

Summary
How can consumers be encouraged to take better care of public goods? Across four studies, including two experiments in the field and three documenting actual behaviors, the authors demonstrate that increasing consumers’ individual psychological ownership facilitates stewardship of public goods. This effect occurs because feelings of ownership increase consumers’ perceived responsibility, which then leads to active behavior to care for the good. Evidence from a variety of contexts, including a public lake with kayakers, a state park with skiers, and a public walking path, suggests that increasing psychological ownership enhances both effortful stewardship, such as picking up trash from a lake, and financial stewardship, such as donating money. This work further demonstrates that the relationship between psychological ownership and resulting stewardship behavior is attenuated when there are cues, such as an attendance sign, which diffuse responsibility among many people. This work offers implications for consumers, practitioners, and policy makers with simple interventions that can encourage consumers to be better stewards of public goods.
Background Noise? TV Advertising Affects Real-Time Investor Behavior

*Management Science*, August 2021

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**Summary**
The recent increase in retail trading activity has revived questions about how retail investors form their investment portfolios. Using minute-by-minute TV advertising data covering some 300 firms, 327,000 ads, and $20 billion in ad spending, the authors study the real-time effects of TV advertising on investors’ searches for online financial information and subsequent trading activity. Their identification strategy exploits the fact that viewers in different U.S. time zones are exposed to the same programming and national advertising at different times, allowing them to control for contemporaneous confounding events. They find that an average TV ad leads to a 3% increase in SEC EDGAR queries and an 8% increase in Google searches for financial information within 15 minutes of the airing of that ad. These searches translate into larger trading volume on the advertiser’s stock, driven primarily by retail investors. The findings on retail investor ad-induced trading are corroborated with hourly data from Robinhood, a popular retail trading platform. Liaukonyte and Zaldokas also show that ads induce searches and trading of companies other than the advertiser, including of close rivals. Altogether, these findings suggest that advertising originally intended for consumers has a non-negligible effect on financial markets.
Geographic inequality and the Internet

Chapter 3, Handbook of Digital Inequality, 2021

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- Avi Goldfarb, University of Toronto
- Shane Greenstein, Harvard Business School

Summary
The diffusion of the internet benefits some locations more than others. Forman et al review the literature on the geographic implications of the internet, emphasizing the role of three key interrelated economic frictions: Communication costs, transportation costs, and search costs. The impact of reducing these frictions shapes geographic inequality because it depends on three factors that vary locally: preferences, the availability of substitutes, and the availability of complements. Despite popular belief that the internet has reduced the importance of distance, much evidence suggests the internet has exacerbated geographic inequality.
OPERATIONS, TECHNOLOGY, AND INFORMATION MANAGEMENT

Computational sustainability meets materials science

*Nature Reviews Materials, 6, August 2021*

**LINK TO PAPER**

**LINK TO VIDEO**

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- Daniel Fink, Laboratory of Ornithology, Cornell University
- R. Bruce van Dover, Materials Science and Engineering, Cornell University
- John M. Gregoire, California Institute of Technology, Pasadena

**Summary**

Humanity’s consumption of Earth’s resources endangers our planet and the livelihood of current and future generations. Our Common Future, the 1987 seminal report by the United Nations World Commission on Environment and Development led by Gro Brundtland, highlighted the interconnectedness of environmental, economic, and societal issues pertaining to sustainability, and introduced the notion of sustainable development as “development that meets the needs of the present without compromising the ability of future generations to meet their needs.” In 2015, as part of the United Nations 2030 Agenda for Sustainable Development, 193 countries agreed on 17 ambitious goals, referred to as the Sustainable Development Goals.

Materials science is central to many sustainability challenges. Exploiting synergies between computational sustainability and materials science, Gomes et al. explore computational sustainability’s harnessing of computing and artificial intelligence for human well-being and the protection of our planet, arguing that this discipline advances both fields, furthering the ultimate goal of establishing a sustainable future.
The evolution of cooperation in the face of conflict: Evidence from the innovation ecosystem for mobile telecom standards development

Strategic Management Journal, 42, 4 April 2021

Co-authors
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• Gurneeta Vasudeva, Carlson School of Management, University of Minnesota

Summary
How does interfirm cooperation in innovation ecosystems evolve in the face of conflict? Leiponen et al theorize that conflict propels firms to reconfigure cooperative relationships while maintaining and even increasing cooperation with aggressors because cooperation is the primary mechanism for value creation in such ecosystems. To empirically test their arguments, the authors study patent litigation and subsequent cooperation between mobile telecommunications firms within the 3GPP standards development organization. They find evidence of a dual cooperative strategy in the face of conflict: while cooperation increases between litigants, defendants also enhance cooperation with others to steer standards away from aggressors. They also highlight the contingent roles of technological complementarities and relational position underpinning cooperation after conflict. These findings demonstrate that in innovation ecosystems, cooperation with adversaries persists despite conflict.
Coordinated Capacity Reductions and Public Communication in the Airline Industry

Review of Economic Studies, Forthcoming

LINK TO PAPER

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- Gaurab Aryal, University of Virginia
- Federico Ciliberto, University of Virginia

Summary
Two legal paradigms in most OECD countries are meant to promote market efficiency, but are potentially at odds with one another. On one hand, antitrust laws forbid firms from communicating their strategic choices with each other to deter collusion, while financial regulations promote open and transparent communication between publicly traded firms and their investors. While these latter regulations are intended to level the playing field among investors, policymakers have raised concerns that they may also facilitate anticompetitive behaviors.

The authors investigate the allegation that legacy U.S. airlines communicated via earnings calls to coordinate with other legacy airlines in offering fewer seats on competitive routes. To this end, they first use text analytics to build a novel dataset on communication among airlines about their capacity choices. Estimates from their preferred specification show that the number of offered seats is 2% lower when all legacy airlines in a market discuss the concept of “capacity discipline.” The authors verify that this reduction materializes only when legacy airlines communicate concurrently, and that it cannot be explained by other possibilities, including that airlines are simply announcing to investors their unilateral plans to reduce capacity, and then following through on those announcements.
Building a Productive Workforce: The Role of Structured Management

Management Science, 6,12, October 2021

Link to Paper

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- Christopher Cornwell, Terry College of Business, University of Georgia
- Ian M. Schmutte, Terry College of Business, University of Georgia

Summary
Management practices drive many important firm and market-level outcomes, particularly productivity and the matching of workers to appropriate jobs. An influential 2018 study by Bender et al documents consistent relationships between management practices, productivity, and workforce composition using administrative data from German firms matched to ratings of their practices from the World Management Survey.

The authors replicate and extend their analysis using comparable data from Brazil. The main conclusions from the 2018 study are supported in this, strengthening the view that more structured practices affect organizational performance through workforce selection across different institutional settings. However, Scur et al find that more structured management practices are linked to greater wage inequality in Brazil, relative to greater wage compression in Germany, suggesting that some of the consequences of adopting structured practices are tied to the local context.
DYSON COLLABORATES GLOBALLY!

World

569 Research Collaborations
35 Countries
204 Cities

Dyson Collaborations
- 1 - 3
- 4 - 9
- 10 - 26

Country Collaborations

Africa-Asia-Europe-Oceania

Dyson Collaborations
- 1 - 3
- 4 - 9
- 10 - 26

Country Collaborations
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Europe

North America

Dyson Collaborations
- 1 - 3
- 4 - 9
- 10 - 26

Country Collaborations

State-Province Collaborations
This listing shows published articles for our regular, non-visiting faculty in peer-reviewed journals, book chapters, and scholarly books, between January and December 2021.

Number of unique published articles in peer reviewed journals: 153
Number of unique published book chapters: 11
Number of unique published scholarly books: 4
Number of unique faculty listed in the report: 55

APPLIED ECONOMICS AND POLICY

FINANCE

MANAGEMENT AND ORGANIZATIONS

MARKETING AND MANAGEMENT COMMUNICATION

OPERATIONS, TECHNOLOGY, AND INFORMATION MANAGEMENT

Christopher Barrett, *Journal submissions, review and editorial decision patterns during initial COVID-19 restrictions*, Food Policy, 105, December 2021. With Biondi, Beatrice; Mazzocchi, Mario; Ando, Amy; Harvey, David; Mallory, Mindy.


Christopher Barrett, *COVID-19 pandemic lessons for agri-food systems innovation*, Environmental Research Letters, 16, 10, October (4th Quarter/Autumn) 2021. With Fanzo, Jessica; Herrero, Mario; Mason-D’Croz, Daniel; Mathys, Alexander; Thornton, Philip; Wood, Stephen; Benton, Tim G.; Fan, Shenggen; Lawson-Lartega, Late; Nelson, Rebecca; Shen, Jianbo; Sibanda, Lindiwe M.


Christopher Barrett, *Sustainability standards in global agrifood supply chains*, Nature Food, 2, October (4th Quarter/Autumn) 2021. With Meemken, Eva-Marie; Michelson, Hope C.; Qaim, Matin; Reardon, Thomas; Sellare, Jorge.


Christopher Barrett, *Multivariate random forest prediction of poverty and malnutrition prevalence*, PLoS ONE, 16, 9, September 2021. With Browne, Chris; Matteson, David S.; McBride, Linden; Hu, Leiqiu; Liu, Yanyan; Sun, Ying; Wen, Jiaming.


Christopher Barrett, *Post-farmgate food value chains make up most of consumer food expenditures globally*, Nature Food, 2, June 2021. With Yi, Jing; Meemken, Eva-Marie; Mazariegos-Anastassiou, Veronica; Liu, Jiali; Kim, Ejin; Gomez, Miguel; Canning, Patrick.

Christopher Barrett, *Fishers’ Response to Temperature Change Reveals the Importance of Integrating Human Behavior in Climate Change Analysis*, Science Advances, 7, 18, April (2nd Quarter/Spring) 2021. With Fiorella, Kathryn J.; Bageant, Elizabeth R.; Schwartz, Naomi B.; Thilsted, Shakuntala H.

Christopher Barrett, *Foresight and trade-off analyses: Tools for science strategy development in agriculture and food systems research*, Q Open, 1, 1, January (1st Quarter/Winter) 2021. With Beaudreault, Amy R.; Meinke, Holger; Ash, Andrew; Ghezae, Nighsty; Kadiyala, Sunetha; Nigussie, Mandefro; Smith, Allison G.; Torrance, Lesley.


Christopher Barrett, *Articulating the impact of food systems innovation on the Sustainable Development Goals*, Lancet: Planetary Health, 5, 1, January (1st Quarter/Winter) 2021. With Nelson, Rebecca; Obersteiner, Michael; Parodi, Alejandro; Popp, Alexander; Ricketts, Katie; Smith, Pete; Valin, Hugo; Vermeulen, Sonja J.; Vervoort, Joost; van Wijk, Mark; van Zanten, Hannah H.; West, Paul C.; Wood, Stephen A.; Rockström, Johan; Herrero, Mario; Thornton, Philip K.; Mason-D’Croz, Daniel; Palmer, Jeda; Bodirsky, Benjamin L.; Pradhan, Prajat; Benton, Tim G.; Hall, Andrew; Pikaar, Ilje; Bogard, Jessica R.; Bonnett, Graham D.; Bryan, Brett A.; Campbell, Bruce M.; Christensen, Svend; Clark, Michael; Fanzo, Jessica; Godde, Cecile M.; Jarvis, Andy; Loboguerrero, Ana Maria; Mathys, Alexander; McIntyre, C Lynne; Naylor, Rosamond L.


Mark Constas, *Maternal caregiving capabilities are associated with child linear growth in rural Zimbabwe*, Maternal and Child Nutrition, 17, 2, April (2nd Quarter/Spring) 2021. With Tome, Joice; Mbuya, Mduduzi N. N.; Makasi, Rachel R.; Ntozini, Robert; Prendergast, Andrew J.; Dickin, Katherine L.; Pelto, Gretel; Moulton, Lawrence H.; Stoltzfus, Rebecca J.; Humphrey, Jean H.; Matare, Cynthia R.

Mark Constas, *Maternal Capabilities Are Associated with Child Caregiving Behaviors Among Women in Rural Zimbabwe*, Journal of Nutrition, 151, 3, March 2021. With Matare, Cynthia R.; Mbuya, Mduduzi N. N.; Dickin, Catherine L.; Pelto, Gretel; Chasekwa, Bernard; Humphrey, Jean H.; Stoltzfus, Rebecca J.


Harry de Gorter, *Analyzing the economics of food loss and waste reductions in a food supply chain*, Food Policy, 98, January (1st Quarter/Winter) 2021. With Drabik, Dušan; Just, David R.; Reynolds, Christina; Sethi, Geeta.

Brian Dillon, *Selling Crops Early to Pay for School: A Large-Scale Natural Experiment in Malawi*, Journal of Human Resources, 56, 4, October (4th Quarter/Autumn) 2021.


Miguel Gómez, *Drosophila suzukii (Diptera: Drosophilidae): a decade of research towards a sustainable integrated pest management program*, Journal of Economic Entomology, 114, 5, October (4th Quarter/Autumn) 2021. With Tait, Gabriella; Mermer, Serhan; Stockton, Dara; Lee, Jana; Avosani, Sabina; Abrioux, Antoine; Anfora, Gianfranco; Beers, Elizabeth; Biondi, Antonio; Burrack, Hannah; Cha, Dong; Chiu, Joanna C.; Choi, Man-Yeon; Cloonan, Kevin; Crava, Cristina M.; Daane, Kent M.; Dalton, Daniel T.; Diepenbrock, Lauren; Fanning, Philip; Ganjisaffar, Fatemeh; Gut, Larry; Grassi, Alberto; Hamby, Kelly; Hoelmer, Kim A.; Ioratti, Claudio; Isaacs, Rufus; Klick, Jimmy; Kraft, Laura; Loeb, Gregory; Rossi-Stacconi, Marco V.; Nieri, Rachele; Pfab, Ferdinand; Puppato, Simone; Rendón, Dalila; Renkema, Justin; Rodríguez-Saona, Cesar; Rogers, Mary; Sassù, Fabiana; Schöneberg, Torsten; Scott, Maxwell J.; Seagraves, Michael; Sial, Ashfaq; Van Timmeren, Steven; Wallingford, Anna A. W.; Wang, Xingeng; Yeh, D. Adeline; Zalom, Frank G.; Walton, Vaughn M.

Miguel Gómez, *Post-farmgate food value chains make up most of consumer food expenditures globally*, Nature Food, 2, June 2021. With Yi, Jing; Meemken, Eva-Marie; Mazariégos-Anastassiou, Verónica; Liu, Jiali; Kim, Ejin; Canning, Patrick; Barrett, Christopher.

Miguel Gómez, *Factors influencing the intention to purchase meat-mushroom blended burgers among college students*, Food Quality and Preference, 90, June 2021. With Sogari, Giovanni; Li, Jie; Wang, Qian; Lefebvre, Michèle; Mora, Christina.


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