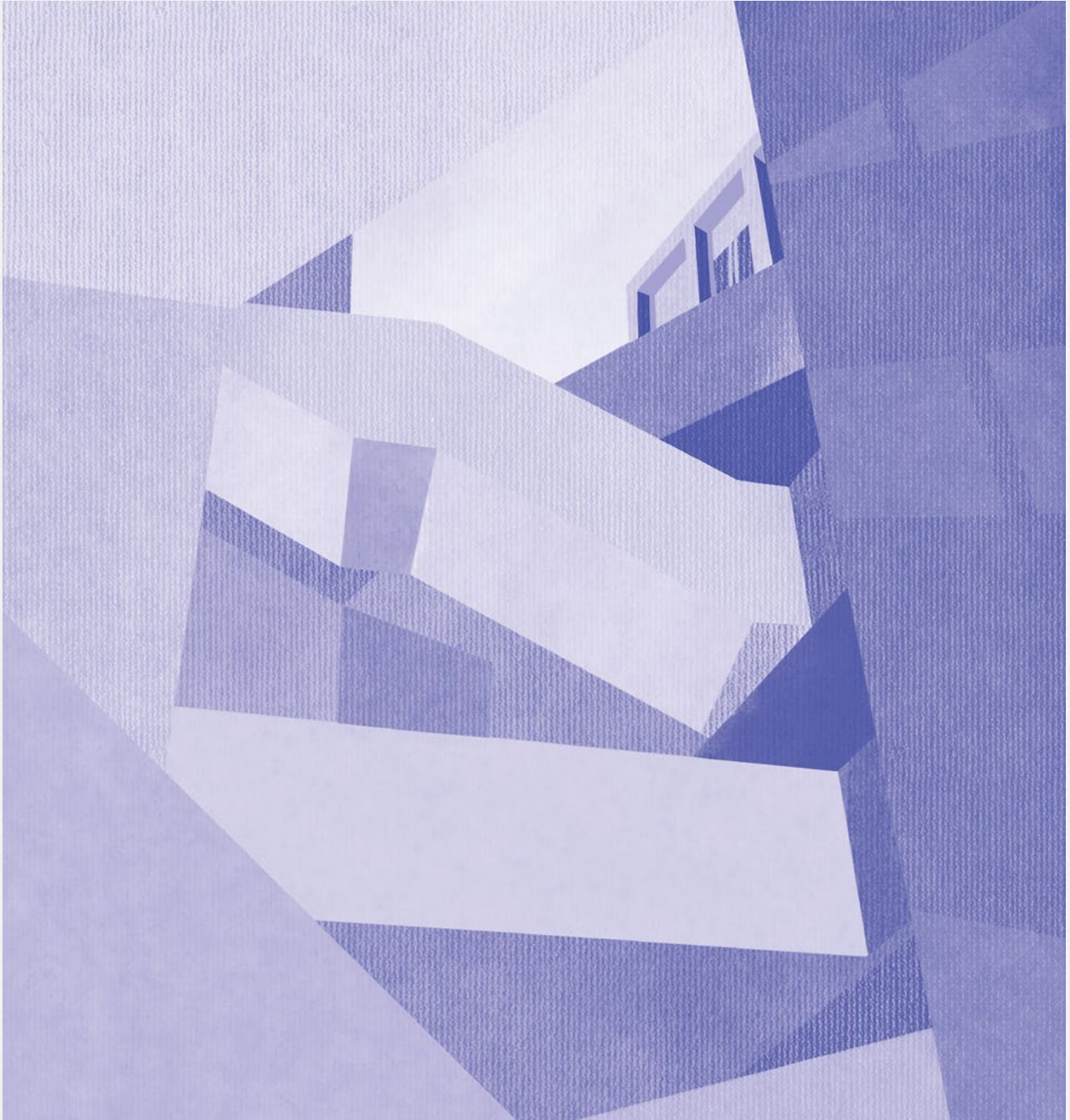




Institute for
Advanced
Study in
Toulouse

ACTIVITY REPORT 2021



KNOWLEDGE ACROSS FRONTIERS

THE ARCTIC OCEAN

100 VISITORS IN 2021, INCLUDING PRESENTERS IN SEMINARS, WORKSHOPS AND IAST CONFERENCES (SOME OF THEM ATTENDED THESE EVENTS VIRTUALLY, DUE TO THE COVID CRISIS).

Annual report commissioned by the Institute for Advanced Study in Toulouse

Editor-in-chief Ingela Alger

Editorial contributions: Jean-François Bonnefon, Daniel Chen, Margot Dazey, Victor Gay, Jean-Baptiste Grossetti, Horacio Larreguy, Jorge Peña, Delphine Pouts, Mohamed Saleh, Edwige Sauvé, Jonathan Stieglitz

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After an enormously challenging 2020, which saw the rise of COVID-19 in France and strict lockdown measures, the year 2021 proved to be quite challenging, too, and IAST researchers and staff had to adjust many times to oft-changing rules established to deal with the sanitary situation. The good news is that by then we were all well acquainted with online tools, so that we could easily switch from in-person seminars to virtual ones, and organize remote collaborative work. Moreover, while in the Spring 2021 essentially all the programmed in-person visits were cancelled or postponed, activities were back to normal for a few weeks in the Fall 2021. The welcome days in September were held in person, most Visiting Fellows arrived as planned, and in November we held our in-person retreat for the first time since January 2020. On the downside, some Visiting Fellows must cancel their visits, and our staff spent many hours rescheduling events and trips. Researchers doing field research continued to face severe obstacles and most were unable to visit their field sites; however, concrete plans to return to field sites did materialize by the end of 2021.

Despite these challenges, 2021 was an eventful year on many fronts for IAST. The 10-year anniversary led to reflections on the ground that has already been broken: the creation ex nihilo of an interdisciplinary research institute that now attracts top candidates to Research Fellow and Visiting Fellow positions has put IAST on the map as a highly stimulating and original research environment

in quantitative social sciences. The successful recruitment in 2021 of Political Science Professor Kristin Michelitch from Vanderbilt University is testimony to IAST's reputation of excellence and ability to offer competitive work conditions. 2021 also saw the creation of four interdisciplinary Research Teams, working on the Evolution of Technology; Social Evolution; Leadership, Power, and Inequality; and Expanded Morality. Each team is led by a permanent faculty and is actively involved in hosting seminar and conference speakers, some of whom are external members of the team. Finally, 2021 gave the IAST an opportunity to thank Paul Seabright for his nine years at the helm of the institute. The scientific vision, community-building activities, and governance that he and his management team developed proved to be a successful recipe. With this solid foundation in place, IAST is well prepared to continue breaking new ground.

And most importantly, the IAST research community continued to be highly productive. This report summarizes the amazing quantity and quality of research publications and activities that took place at IAST in 2021. Enjoy!

Ingela ALGER
IAST DIRECTOR





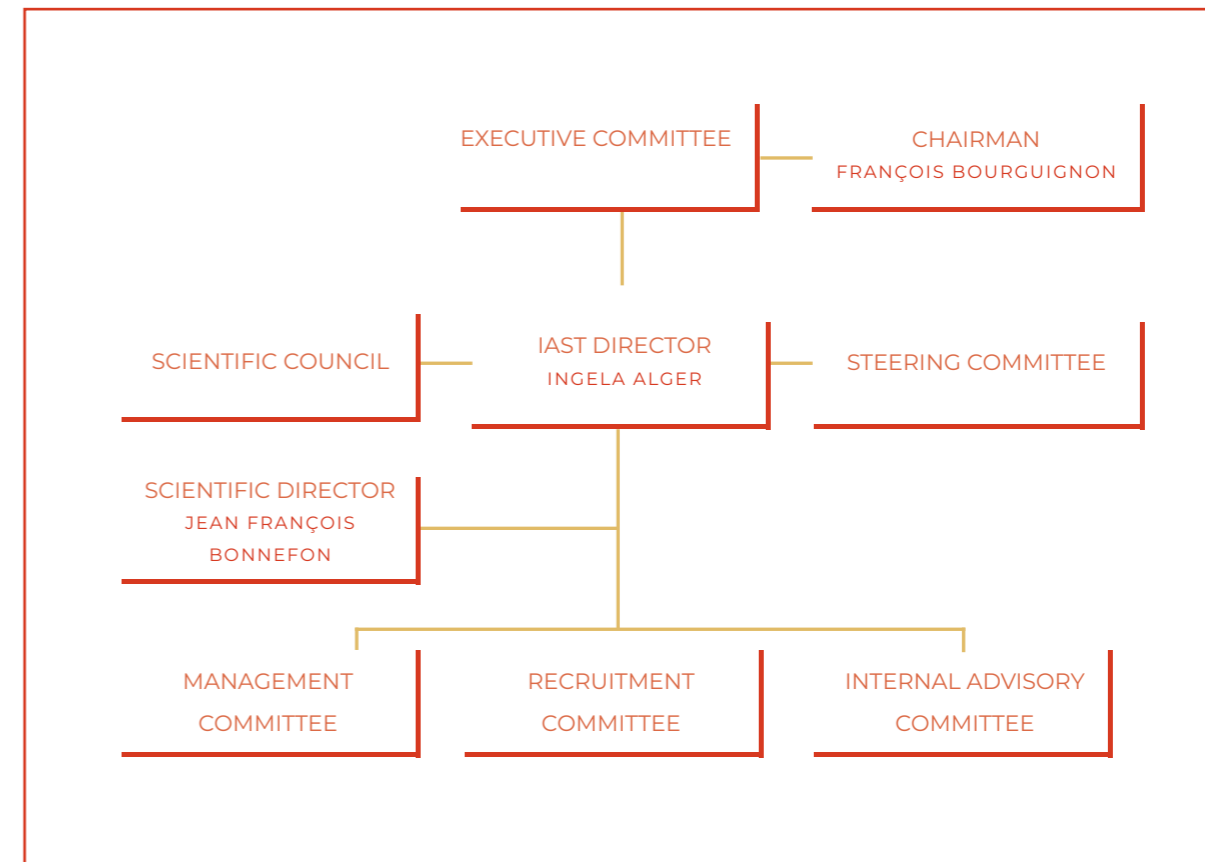
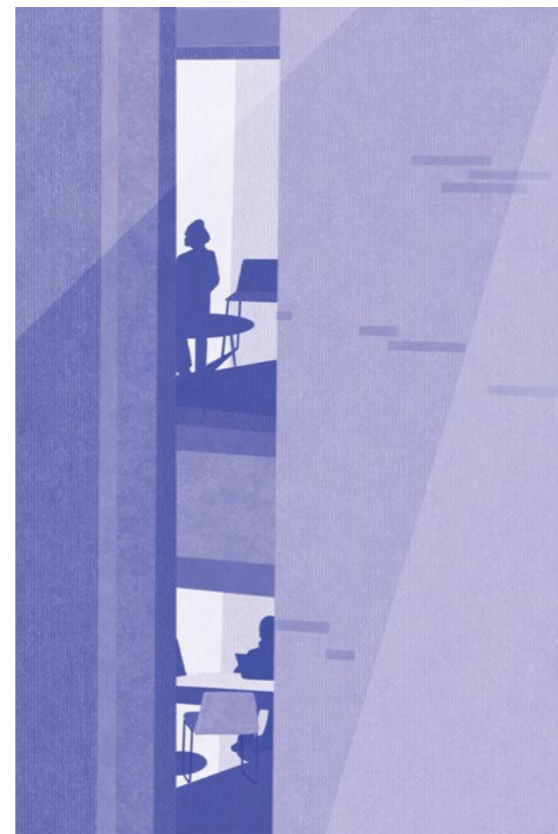
IAST GOVERNANCE

IAST operates as a sheltered foundation under the aegis of the Jean-Jacques Laffont - TSE Foundation. IAST has a Scientific Council composed of 28 members and is governed by an Executive Committee (COMEX) with representatives of the Toulouse Capitole University, the Jean-Jacques Laffont - TSE Foundation including a representative of IAST researchers, the collegium of public partners, and the collegium of economic partners. IAST is directed by Ingela Alger (since 1st Sept 2021), who is assisted by Delphine Pouts; the IAST administration is overseen by Joël Echevarria and the IAST Scientific Director is Jean-François Bonnefon (since 1st Sept 2021). From January to August 2021, the Director and the Scientific Director were, respectively, Paul Seabright and Ingela Alger.

François Bourguignon (director of research emeritus at EHESS, former Chief Economist & Senior Vice President of the World Bank in Washington and former Director of Paris School of Economics) is the chairman of the IAST

Executive Committee, helping develop IAST alongside its sister institute, the internationally renowned Toulouse School of Economics (TSE).

The Institute for Advanced Study in Toulouse is a unified scientific project whose broad aim is to study human behavior through an innovative and multidisciplinary approach to social science. Our Institute is home to a team of resident full-time researchers from leading universities worldwide. While most researchers specialize in using analytical and quantitative methods to address their scientific questions, some researchers utilize both qualitative and quantitative methods, while others use only qualitative methods. The Institute welcomes a large network of visitors from >25 countries, and partners with economists and mathematicians at the Toulouse Capitole University, INRAE, CNRS and the Toulouse School of Economics.

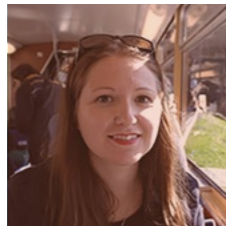


VISITORS TO IAST

In 2021, IAST welcomed 11 visitors, excluding speakers at seminars, workshops and conferences. Six of them stayed for more than 6 months

Nine new research fellows joined the institute from September 2021, funded by IAST through its host University, Toulouse Capitole. The newcomers all work at the crossroads of disciplines and are already developing exciting new interdisciplinary research projects in Toulouse.

IAST RESEARCH FELLOWS



PIRET AVILA

PhD in BIOLOGY at University of Jyväskylä

Last affiliation: University of Lausanne

Selected in 2021, arriving April, 2022. Piret is working on the evolution of eusociality, sexual selection and population dynamics.

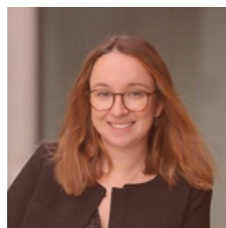


PATRICK DURKEE

PhD in PSYCHOLOGY

at University of Texas at Austin

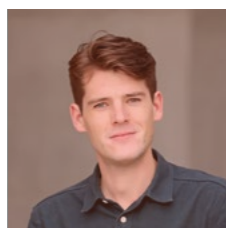
Selected in 2021, arriving January, 2022. Patrick investigates the psychological underpinnings of human status hierarchies and how they relate to broad cultural and individual differences.



MARION HOFFMAN

PhD in NETWORK SCIENCE at ETH Zurich

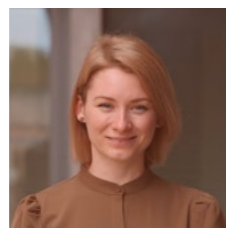
Marion is a scientist specialized in mathematical and statistical modeling of social networks, interaction dynamics in social groups, and partitions of individuals.



MARIJN KEIJZER

PhD in SOCIOLOGY at University of Groningen

Marijn is a sociologist whose main interest lies in computational social science and complexity science. Specifically, theoretical and empirical modeling of online behavior and digital trace data. In his PhD research, he focuses on the impact of social media platforms on opinion formation and the diffusion of culture.

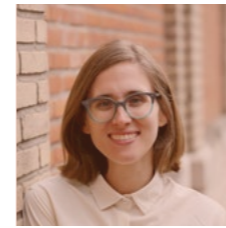


MARIA KLESHNINA

PhD in MATHEMATICS AND BIOLOGY at the University of Queensland (Australia)

Last affiliation: Institute of Science and Technology, Austria

Maria is a mathematical biologist whose research focuses on evolutionary game theory. She is particularly interested in behavioral plasticity and learning as well as their effects on the evolution of cooperation.

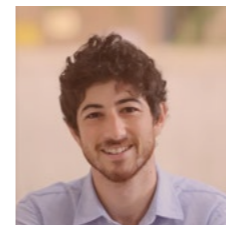


KATHRYN SCHWARTZ

PhD in HISTORY at Harvard

Last affiliation: University of Massachusetts, Amherst

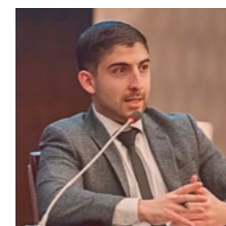
Kathryn's research focuses on the social implications of technological change. She is currently working on a book project entitled "Print and the People of Cairo, 19th c.". Her recent articles examine printing and the book trade in a global context as social praxis, and as an arena for forwarding ideas about advancement and backwardness.



SAMUEL SNOW

PhD in BIOLOGY at Yale University

Samuel explores the evolutionary consequences of mate choice for sexual ornamentation, mate-system evolution, and social behavior. He integrates natural history insights and empirical observation into the development of new evolutionary theory. These theoretical frameworks provide a scaffold for asking new questions of empirical systems.



DANIEL TAVIANA

PhD in POLITICAL SCIENCE at Princeton University

Daniel's interests include elections, identity, and comparative political behavior, as well as the dynamics of political opposition in authoritarian regimes. He studies these issues in the Middle East and North Africa, where he uses a variety of methods and sources of data to study electoral politics.



SEBASTIAN THIEME

PhD in POLITICAL SCIENCE at New York University

Last affiliation: Princeton University

Sebastian's research is concentrated on US politics, political economy, and political methodology, with a focus on political institutions, money and private influence in politics, and legislative politics.







IAST anthropologists address broad questions that can situate anthropology in a key position within the social and life sciences.

ANTHROPOLOGY

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

Lifestyle, aging and health
Causes and consequences of leadership in diverse human groups
Evolutionary economics
Beliefs, rituals and cooperation

OUTLETS

eLife
Science
Evolutionary Human Sciences
The Journals of Gerontology: Series A Science
Annals of Global Health
Anatomical Science International
Evolution, Medicine, and Public Health
Evolutionary Human Sciences
Emotion Review
Philosophical Transactions of the Royal Society B: Biological Sciences
Current Anthropology
Evolution and Human Behavior

GRANTS

AWARDED TO IAST RESEARCHERS

US National Institutes of Health
 National Institute on Aging

ACTIVE GRANTS

US National Science Foundation
 (Biological Anthropology Program)

MEDIA

Manvir SINGH was very active in the media in 2021, here is a selection of his contributions:

- **Episode 71 - A Psychedelic Weekend**, Dispatches From Insight 2021, *TWO BRAD FOR YOU – Podcast – 2021*
- **Tous égaux et libres à la préhistoire ?** Un mythe construit sur l'étude anthropologique à laquelle tout le monde a eu envie de croire depuis 50 ans, *Atlantico, February 14*
- **Is coping with PTSD harder for US soldiers?** *The Guardian, June 11.*
- **Is Bill Gates a modern witch?** COVID conspiracy theories involving billionaire similar to witch hunt, *USA TODAY, 2021*



IAST Research Fellow Manvir Singh in Bolivia

VISITORS

We were happy to welcome **Michael Wilson** Associate Professor from **University of Minnesota** Anthropology; Ecology, Evolution and Behavior. He studies the behavior and biology of chimpanzees.

COURSES

- **Experimental Economics** (TSE M1)
- **Evolution of Human Sociality** (TSE/IAST Toulouse Summer School in Quantitative Social Sciences)



IAST biologists investigate questions related to the evolution of social behaviors using experiments, field work, and mathematical models.

BIOLOGY

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

- Evolution of eusociality*
- Mistakes in evolutionary games*
- The role of invention in cultural evolution*
- Evolution of male competitiveness*

OUTLETS

- Journal of Economic Behavior and Organization*
- Philosophical Transactions of the Royal Society B*
- PLOS Computational Biology*
- Proceedings of the Royal Society B: Biological Sciences*

MEDIA

Animal Invention - How do new ideas evolve?

IAST Magazine 18 (S Nöbel)



EVENTS

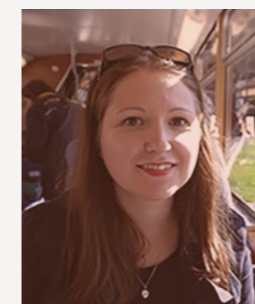
- *The 8th Toulouse Economics and Biology workshop on "Fertility: causes and consequences"*
- *Evolutionary Models and Applications Group (EMAG), discussion group at TSE/IAST (organized by P Bayer and J Peña)*



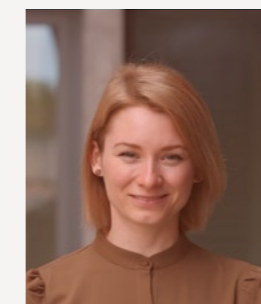
COURSES

- **Introduction to Ecology for Economists - J Peña** (TSE Master 2 Economics and Ecology)
- **Population Demography and Evolutionary Ecology - J Peña** (TSE Master 2 Economics and Ecology and UT3 Master 2 in Ecology and Evolution)
- **Mathematical models of social evolution - J Peña** (TSE/IAST Toulouse Summer School in Quantitative Social Sciences)

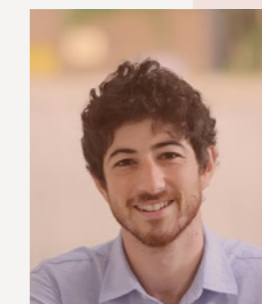
RECRUITMENT



Piret AVILA
IAST Research Fellow
Coming from the University of Lausanne



Maria KLESHNINA
IAST Research Fellow
Coming from the Institute of Science and Technology (Austria)



Samuel SNOW
IAST Research Fellow
Coming from Yale University



IAST economic historians investigate questions related to the long-term inequality and the evolution of political and economic Institutions in the long run.

HISTORY

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

- Mapping the French Third Republic
- World War I and Female Labor Force Participation
- Taxing Identity in Economic History
- The Long-Run Evolution of Inequality

OUTLETS

- Historical Methods: A Journal of Quantitative and Interdisciplinary History
- Harvard Dataverse
- The Journal of Human Resources
- Journal of Economic History
- Econometrica

GRANTS



Victor GAY (PI), **ObARDI**
ANR-20-CE38-0015
01/2021 - 12/2024

RECRUITMENT



Kathryn SCHWARTZ
IAST Research Fellow
Coming from
the University of Massachusetts,
Amherst

COURSES

- Historical Perspectives on Development - **Mohamed Saleh** (M2 Public Policy and Development)
- Development: Theory, Public Policy, and Historical Perspectives - **Mohamed Saleh** and **Victor Gay** (M2 Economic Theory and Econometrics)
- Natural Experiments in History - **Mohamed Saleh** and **Victor Gay** (MRes in Economics)
- Economic History - **Victor Gay** (M1)
- Quantitative Social Sciences - **Mohamed Saleh** (Toulouse Summer School)

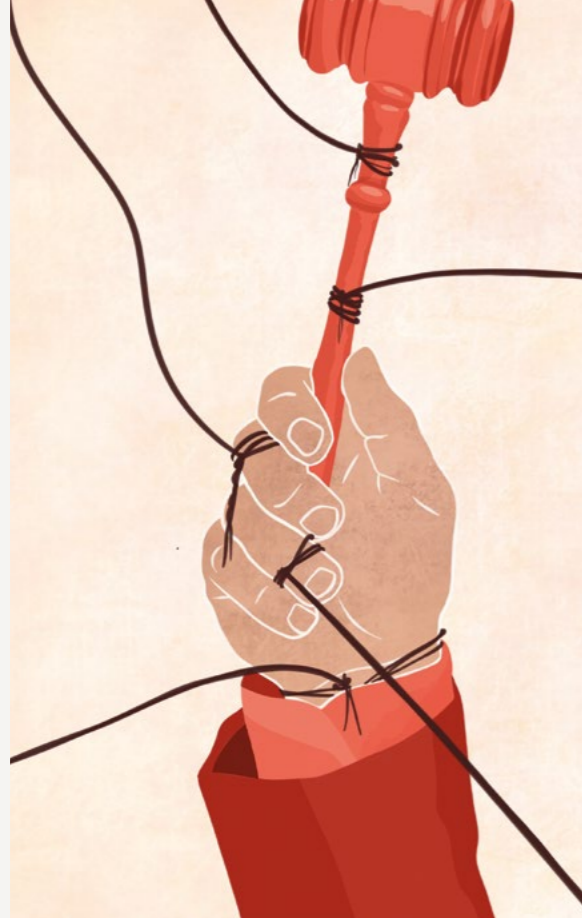
EVENTS

- *Big Data in Economic History*
Online workshop organized by **Mohamed Saleh** and **Victor Gay**
- *Toulouse Summer School in Quantitative Social Sciences*
Victor Gay and **Jorge Peña**
In 2021, 27 PhD students attended the first summer school in Social Sciences
- *Economic History of Developing Regions.*
Virtual Seminar
Mohamed Saleh: co-organizer with a number of European institutions

Economic History of developing regions

Virtual seminar





At IAST we believe that the law is not a closed logical system of rules and should not be applied without regard to its consequences. For this reason, the study of law has to be interdisciplinary, the understanding of legal problems requires us to understand the problems of our society first. Whether the subject is the functioning of free markets or the environment, health care or labor organization, a country's social and political structure or educational system, the combined knowledge of many disciplines is vital for a full assessment of the underlying legal issues.

LAW

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

Association of Jail Decarceration and Anti-Contagion Policies with Covid-19 Case Growth Rates in United States Counties

Carceral-Community Epidemiology, Structural Racism, and Covid-19 Disparities

Causal Effects of Judicial Sentiment: Methods and Application to U.S. Circuit Courts

COVID-19 Within Families Amplifies the Prosociality Gap Between Adolescents of High and Low Socioeconomic Status

Deep IV in Law: Appellate Decisions and Texts Impact Sentencing in Trial Courts

Incarceration And Its Disseminations: COVID-19 Pandemic Lessons from Chicago's Cook County Jail – A Response to Pierson et al.

Measuring Judicial Sentiment: Methods and Application to U.S. Circuit Courts

Quadratic Voting for Survey Research (QVSR): A Platform for Deploying QV in Survey Contexts

Social Preferences or Sacred Values? Theory and Evidence of Deontological Motivations

The Promise of Machine Learning for the Courts of India

OUTLETS

Economica

Frontiers in Law

Handbook of Measurement

Health Affairs

Journal of American Medical Association

Network Open

Journal of Machine Learning Research (2x)

National Law School of India Review

Proceedings of the National Academy of Sciences (2x)

Science Advances

MEDIA

Daniel CHEN

has contributed greatly to the popularization of his research in the media, here is a selection of his work:

Covid

■ High incarceration rates fuel COVID-19 spread and undermine US public safety, study finds, *ScienceDaily*

■ COVID-19 has a negative influence on prosocial behavior, finds study, *Phys.org*

Justice

■ Prosecutor seeks to document, eliminate racial disparities in justice system, *USSC*

Behavior

■ Training effective altruism: Experimental evidence from Pakistan, *VOXDEV*



OUTREACH

Lectures were delivered to judiciaries and government officials of Pakistan, India, Peru, Colombia, Chile, Brazil, Kenya, South Korea, France, Estonia, the European Union, and International Conference on Computational Social Science (IC2S2).

CAN ARTIFICIAL INTELLIGENCE BE ETHICAL?

Podcast Crossing Channels, Episode 3 with **Jean-François BONNEFON**, **Daniel CHEN** and Diane Coyle



“Roughly 5.1 billion people lack meaningful access to justice, while an estimated 1.5 billion are unable to obtain justice for administrative, criminal, or civil justice needs. These estimates indicate that the access to justice crisis is not a narrow legal issue but a global crisis of inequality with far-reaching consequences. Since the obstacles to equitable legal access at such scale are possibly rooted in the lacking capacity of high stakes decision-makers to affirm a selfless approach to public service, a growing number of researchers hope that AI and ML can facilitate access to justice by identifying and mitigating the limits of human decision-making.”

Daniel CHEN



Political scientists studying at IAST work with theoretical and empirical economists, economic historians, and other social scientists to address fundamental questions about governance, political behavior, and institutions.

POLITICAL SCIENCES

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

Choice Architecture Improves Pension Selection

Citizens preferences for COVID-19 vaccine allocation priorities

Collective Decision Making and the Economic Vote'

Evaluating social contract theory in the light of evolutionary social science

Gender differences in perceived risk of COVID-19

How Polarization Derails Democratic Transition

Ideology and compliance in the COVID-19 pandemic

Legislative Gatekeeping

Non-compliance with COVID-19 preventive measures

Peer effects in voting

Permissive electoral systems and descriptive representation

Political Determinants of Economic Exchange

Polling via Regression and Post-Stratification of Non-Probability Online Samples

Public opinion on global rollout of COVID-19 vaccines'

The Impact of Labor Unions on Legislative Responsiveness in the US Congress

OUTLETS

American Journal of Political Science

Applied Economics

Comparative Political Studies

Democratization

Electoral Studies

Evolutionary Human Sciences

Journal of Public Economics

Legislative Studies Quarterly

Nature Medicine Correspondence

Perspectives on Politics

PLoS One

Proceedings of the National Academy of Sciences

Social Science Quarterly

RECRUITMENT



Daniel L. TAVANA
IAST Research Fellow
Coming from
Princeton University



Sebastian THIEME
IAST Research Fellow
Coming from
New York University

GRANTS

American Economic History Association

French National Research Agency ANR

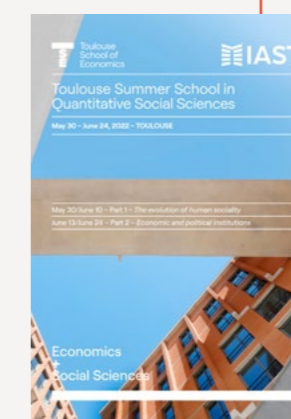
Jameel Poverty Action Lab's Governance Initiative

MEDIA

Researchers from IAST, Columbia University, and Harvard University published an article in several Asian European and Latin American newspapers summarizing the result of their study in 12 countries across four continents together with other researchers on how the COVID-19 pandemic has affected citizens' views about their government and democracy. Their analysis shows that citizens affected by COVID-19 blame both their government and democratic institutions for the mismanagement of the pandemic.

EVENTS

- *Toulouse Summer School in Quantitative Social Sciences - 2021*
- *3rd IAST-Sciences Po Paris Conference on Political Science and Political Economy - 2021*
- *8th IAST/TSE Conference in Political Science and Political Economy: Inequality, Migration, and Organized Interests - 2021*



VISITORS

- Jeffrey A. Friedman**
Associate Professor of Government at Dartmouth College
- Horacio Larreguy**
Associate Professor of Government at Harvard University
- Mounu Prem**
Adjunct Professor of Economics at the Universidad del Rosario
- Cameron Shelton**
Associate Professor of Political Economy at Claremont McKenna College
- Alberto Simpser**
Professor of Political Science at ITAM

COURSES

- *Advanced Topics in Political Economy* - taught by **Karine Van der Straeten**
- *Economic Effects and Political Sociology of Institutions* - co-taught by **Margot Dazey, Horacio Larreguy, Imil Nurutdinov**
- *Political Economy* - taught by **Horacio Larreguy**



Psychologists at IAST work with researchers from anthropology, biology, computer science and economics to investigate human behavior across cultures, but also to investigate the behavior of non-human animals and intelligent machines. Results from these collaborations provide insights into the evolutionary roots of behavior, the struggles of contemporary humans, and the social-technological future of humanity.

RECRUITMENT



Patrick DURKEE
IAST Research Fellow
Coming from
University of Texas at Austin

BOOK



Jean-François BONNEFON
*The car that knew too much:
Can a machine be moral?*

PSYCHOLOGY

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

Covid 19: fake news, vaccine roll-out, political polarization, policy support, etc.

Cooperation: in daily life, within families, under scarce cognitive resources, etc.

Moral dilemmas

Family ties

OUTLETS

Nature Medicine

Nature Communications

Nature Human Behaviour

Neuroscience & Biobehavioral Reviews

Social Development

Infant Behavior and Development

Developmental Psychobiology

Harvard Kennedy School Misinformation Review

Journal of Economic Behavior and Organization

Journal of Economic Psychology

Transportation Research

Journal of Personality and Social Psychology

Journal of Experimental Psychology: General

Proceedings of the Royal Society B

MEDIA

HOW AI'S GROWING INFLUENCE CAN MAKE HUMANS LESS MORAL - **Jean-François BONNEFON**, Los Angeles Times
discussions on social networks and cultural evolution

OUTREACH

IAST - TSE Debate:

HOW WILL ARTIFICIAL INTELLIGENCE CHANGE SOCIETY?
With **Jean-François BONNEFON**, César Hidalgo, and Dana Pizarro

GRANTS

ANR grant awarded to **Maxime DEREKX**: Uncovering and mitigating the detrimental effects of social learning on the discovery of new solutions

VISITORS

Nina Strohminger
U Penn

COURSES

- Nudges and the psychology of decision
- Experimental methods

IAST-TSE DEBATE: MEET THE EXPERTS

How will Artificial Intelligence change society?

Thursday, December 09, 5pm - 6pm (CET), Auditorium 3 & online - #TSEDebate

With Jean-François Bonnefon (CNRS, TSE, IAST, ANITI), César Hidalgo (ANITI, TSE, IAST, Harvard, U of Manchester), Dana Pizarro (ANITI, TSE) and moderated by Luca Bannati (TSE)





SOCIOLOGY

SCIENTIFIC ACTIVITIES IN 2021

PUBLICATIONS

MAIN TOPICS

Depression and social interaction patterns

Socioeconomic homophily

Political polarization

Online social media

Religious socialization

Discriminations and inequalities

OUTLETS

Ethnic and Racial Studies

British Journal of Sociology

Online Social Networks and Media

Mens & Maatschappij

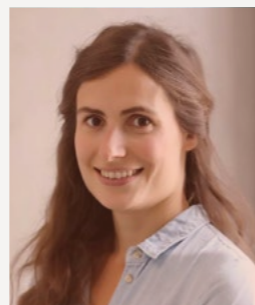
Sociologists study social relationships and institutions, with an awareness of the connections between broad social forces and personal experiences. In this endeavor, IAST sociologists collaborate with economic historians, political scientists and social psychologists to understand human behavior in the context of social interactions and address some of the most challenging issues of our time: social inequalities, religious practices, discrimination and immigration.

ACTIVE GRANTS

INSTITUT CONVERGENCES

MIGRATIONS

Margot DAZEY



MEDIA

Marijn KEIJZER,

PNAS News Feature (09/14/2021)

Modeling the power of polarization

RECRUITMENT



Marion HOFFMAN

IAST Research Fellow

Coming from

ETH ZÜRICH



Marijn KEIJZER

IAST Research Fellow

Coming from

the University of Groningen



«Working at IAST has given me the excellent opportunity to discover new research fields and find connections

with others I would have never expected. I am grateful to have both the freedom to carry out my research independently and the opportunity to find new enriching collaborations.»

Marion HOFFMAN

EVENTS

- 3rd IAST-Sciences Po Paris Conference on Political Science and Political Economy
- 8th IAST/TSE Conference in Political Science and Political Economy: Inequality, Migration, and Organized Interests

COURSES

- Economic Effects and Political Sociology of Institutions - co-taught by **Margot Dazez, Horacio Larreguy, Imil Nurutdinov**

TUTORIALS

- **Marijn Keijzer** - "Social Influence Modeling in Python Using defSim", at the European Social Simulation Association's SocSimFest 2021 (Online). Co-organizers: Dieko Bakker & Anton Laukemper

INSTITUTE FOR ADVANCED STUDY IN TOULOUSE



8TH POLITICAL SCIENCE & POLITICAL ECONOMY CONFERENCE

Inequality, Migration, and Organized Interests

3 & 4
MAY 2021
Online event

John Ahlquist
UCSD

James Fearon
Stanford University

Nathan Wilmers
MIT

Julka Cagé
Sciences Po Paris

Nina McMurry
WZB

Hye Young You
NYU

Charlotte Cavallé
University of Michigan

Maximo Morelli
Bocconi University

Eve Colson-Silva
Hebrew University Jerusalem

Saurabh Pant
University of Essex

Martine Emeriau
LSE

Nelson Ruiz
Oxford

Contact
political.science.conf@tse-fr.eu

Organizers
Horacio Larreguy (University of Toulouse & IAST)
Margot Dazez (IAST)
Imil Nurutdinov (IAST)
Jan Muckler (IAST)

Twitter: @IASToulouse
Website: iast.fr

RESEARCH TEAMS

In 2021, IAST researchers from all disciplines have joined forces to tackle big scientific problems. To foster collaboration across disciplines, IAST has launched four research teams that will encourage scholars to exchange ideas, skills, and perspectives on key topics which reflect flourishing research areas in Toulouse. These four teams will focus on **Expanded Morality** (led by Jean-François Bonnefon), **Evolution of Technology** (led by Maxime Derex), **Leadership, Power & Inequality** (led by Roberta Dessi), and **Social Evolution** (led by Jorge Peña). As all things at IAST, the teams are highly multidisciplinary, since all of them combine at least five disciplines!

The *Expanded Morality* team seeks to understand how moral concerns shape behavior and policy in our global community of humans, animals, firms, and intelligent machines, in which every action can potentially be witnessed by the entire world. The *Evolution of Technology* team considers the short, long, and very long-time scale role and place of technology in the context of biological and cultural evolution, seeking to understand both the conditions under which technology evolves, and its impact on our biology and cognition. The *Leadership, Power & Inequality* team studies the characteristics of effective leadership across time and space as well as the emergence and experience of power and powerlessness, paying special attention to their causes and mechanisms. Finally, the *Social Evolution* team focuses on the theoretical foundations of the cultural evolution of human cooperation, and on the bottom-up emergence and

maintenance of institutions regulating collective action.

The teams have been taking on the key role of suggesting and hosting the numerous speakers we invite to Toulouse every year, to everyone's satisfaction. Besides this role, and keeping with the IAST traditions of agility and experimentation, all teams have been entirely free to define their means of interaction and cooperation, their governance, and the use of their seed funding. In 2022, all teams will meet and exchange about their experiences, successes and setbacks, helping to set up the course for the future of our interdisciplinary research.



10 YEARS OF IAST

The Institute for Advanced Study in Toulouse celebrated its 10th birthday in 2021.

In a mere 10 years, IAST has become an internationally recognized center of excellent and innovative interdisciplinary research in social sciences. Each year IAST attracts applications to Research Fellow and Visiting Fellow positions from top candidates. Our reputation as a highly stimulating and original research environment --- together with the high quality of life in Toulouse --- has over the past five years allowed us to achieve a balanced community of outstanding researchers in evolutionary anthropology, evolutionary biology, economic history, economics, law and economics, political science and psychology, and to strengthen the representation of sociology. Importantly, thanks to the support of Université Toulouse 1 Capitole and CNRS, five permanent positions outside economics were bestowed on IAST in the first 10 years.

Since its launch in 2011, IAST has hosted 78 international conferences or workshops, 247 internal seminars, 218 external seminars, 424 visitors (of whom 81 have stayed for a month or more). Our researchers have produced 336 publications, in journals including, *inter alia*:

- Nature, Science, Proceedings of the National Academy of Sciences of the USA
- Econometrica, Journal of Political Economy, Quarterly Journal of Economics, Journal of Economic Behavior and Organization, Journal of Economic History, Journal of Economic Theory, Rand Journal of Economics

- American Naturalist, Animal Behavior, Evolution, Evolution and Human Behavior, Journal of Evolutionary Biology, Philosophical Transactions of the Royal Society B, Nature Human Behavior;

- American Journal of Physical Anthropology, Current Anthropology, Evolution, Medicine, and Public Health, The Lancet, Nature Medicine

- Developmental Psychology, Developmental Review, Experimental Psychology, Neuroscience & Biobehavioral Reviews, Nature Machine Intelligence, Trends in Cognitive Sciences

- American Journal of Political Science, American Political Science Review, European Union Politics

- American Law and Economics Review, Artificial Intelligence and the Law, Computational Analysis of Law, Stanford Law Review, University of Chicago Law Review

- British Journal of Sociology, Ethnic and Racial Studies.

IAST's unified scientific project is to "study the behavior of human beings as evolved biological organisms who live in groups, form networks and coalitions, are governed by formal institutions and informal norms, produce and exchange scarce resources and are inspired by ideals and beliefs." While this naturally leads to research projects that are fundamental in nature, the multidisciplinary research environment provided by IAST allows its researchers to make significant contributions on several societal issues that the world is currently facing.

The response of the IAST community to the COVID-19 pandemic is telling: by March 2020 there was a weekly online internal discussion group, organized jointly with the Toulouse School of Economics. The first publication (in *The Lancet*) appeared in

May 2020, and since then IAST researchers have published more than ten articles on the subject, with novel insights on how to protect vulnerable traditional societies; on the effects of incarceration policies on infection rates; on truth discernment of COVID-19-related headlines; on public opinion on global rollout of COVID-19 vaccines and vaccine allocation priority rules; on the utility of evolutionary behavioral sciences to understand human responses to pandemics.

IAST is also highly visible in research on human-machine interactions and AI, as witnessed by the extensive work on the ethics of automated vehicles by current Scientific Director Jean-François Bonnefon and his co-authors, Jean-François's appointment as President of the European Commission expert group

on the ethics of driverless mobility, and the four-phase approach to implementing AI in organizations published in *Harvard Business Review* by Daniel Chen and his co-authors, for example.

While the research production and activities of IAST are key measures of its success, three key behind-the-scenes assets that make this possible: its governance, its administrative staff, and its culture. Imagined and put in place by Paul Seabright and his team, IAST's governance relies on (1) an efficient division of management and recruitment tasks among faculty; (2) a check-and-balance system provided by the Executive Committee; (3) a Scientific Council (consisting of 28 internationally renowned scholars) and a Steering Committee (consisting of local scholars) that each year share highly valuable feedback with us. The

highly dedicated administrative staff, most of whom have been working fully for IAST for many years, greatly facilitate management and event organization. Each year they play a key role in enabling all our newcomers to settle in quickly. The equally dedicated and creative communication team is continuously on the lookout for ways to ensure that our research gets the visibility that it deserves. Last but not least, a culture of mutual respect --- between research disciplines as well as between individuals --- and an eagerness to learn from rather than scorn differences, is an ingredient without which IAST would not be what it is today. The laboratory will continue to cherish this culture in order to successfully launch the second phase of the IAST "rocket".

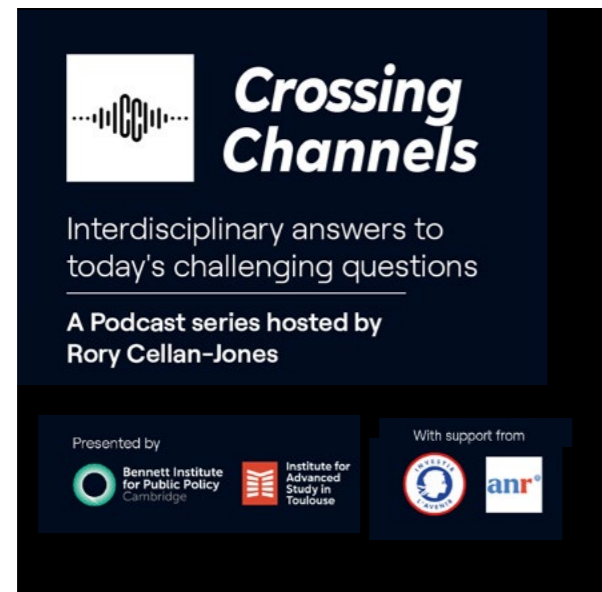


AI



10 YEARS OF IAST - RESEARCH TEAM

PODCAST SERIES

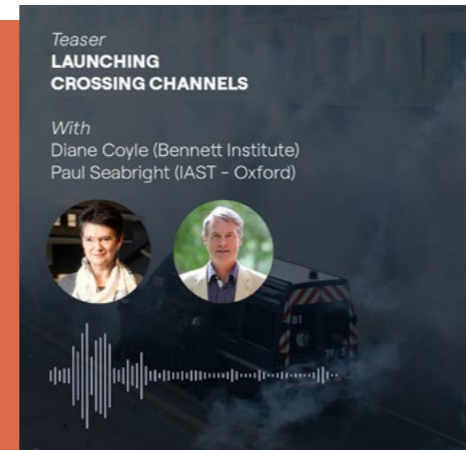


In 2021, the Bennett Institute for Public Policy at Cambridge University and the Institute for Advanced Study in Toulouse teamed up to launch a new podcast series aiming to provide interdisciplinary answers to today's challenging questions.

The "Crossing Channels" podcast series was announced in October 2021 through a short teaser episode featuring the Bennett Institute Co-Director and Professor of Public Policy at Cambridge, Diane Coyle, as well as the former Director of the IAST, Professor at the Toulouse School of Economics and on a sabbatical year at the Oxford University, Paul Seabright.

In each episode, researchers from both sides of the Channel, and from widely differing disciplinary backgrounds, discuss various approaches to explore complex challenges and offer policy solutions.

The podcast series is hosted by former BBC correspondent Rory Cellan-Jones with support from the French National Research Agency (ANR). Episodes are released monthly and are available on Spotify, Apple Podcasts, Google Podcasts and Podfollow.



■ Teaser : Introducing Crossing Channel

Episode 0 - October 2021

Diane Coyle and Paul Seabright exchanged on what to expect from this new series.



■ Why has it become so hard to run government?

Episode 1 - November 2021

Bennett Institute Dennis Grube, Institute for Government Catherine Haddon exchanged with IAST Mohamed Saleh on how public perceptions of the government have changed, why there are so many civil service reforms, and what governments learn during crises.



■ How should nature be included into the economy?

Episode 2 - December 2021

This episode tackles the issue of incorporating nature into economic measurements with passionate exchanges between Bennett Institute Professor Matthew Agarwala, Cambridge professor Cristina Peñasco and IAST Nicolas Treich. Panelists discussed on the possible trade-offs between economic growth and the environment, what is still missing from economic measures, and how to get academics and policymakers to work together.





CONFERENCES IN 2021

- | | |
|--|---|
| <p>Jan. 15 2021</p> <p>IAST INTERNAL EPISTEMOLOGY WORKSHOP
What are we doing? Doing research in interdisciplinary perspective</p> <p> Toulouse, France</p> | <p>May 27-28 2021</p> <p>BIG DATA IN ECONOMIC HISTORY
 Toulouse, France</p> |
| <p>May 03-04 2021</p> <p>8TH IAST/TSE CONFERENCE IN POLITICAL SCIENCE AND POLITICAL ECONOMY: Inequality, Migration, and Organized Interests</p> <p> Toulouse, France</p> | <p>July 1-2 2021</p> <p>3RD IAST-SCIENCES PO PARIS
Conference on political economy and political science</p> <p> Toulouse, France</p> |
| <p>May 11-12 2021</p> <p>8TH TOULOUSE ECONOMICS AND BIOLOGY WORKSHOP
Fertility: causes and consequences</p> <p> Toulouse, France</p> | <p>Nov. 24-26 2021</p> <p>6TH PYRENEAN INTERDISCIPLINARY RESEARCH EVENT (PIREN)</p> |

FORTHCOMING EVENTS IN 2022

- | | |
|---|---|
| <p>May 5-6 2022</p> <p>MISINFORMATION IN THE DIGITAL AGE
Comparative Contexts and Policy Lessons</p> <p> Toulouse, France</p> | <p>June 2-3 2022</p> <p>9TH TOULOUSE ECONOMICS AND BIOLOGY WORKSHOP
Production and Sharing</p> <p> Toulouse, France</p> |
| <p>May 18-19 2022</p> <p>WORKSHOP
Leadership: does it matter?</p> <p> Toulouse, France</p> | |

IAST SEMINARS IN 2021

BICCHIERI Cristina (University of Pennsylvania)
 BROOCKMAN David (Berkeley)
 CAGE Julia (Sciences Po Paris)
 COMAN Alin (Princeton)
 DEZECACHE Guillaume (Université Clermont Auvergne)
 HAMMERSTEIN Peter (Humboldt-Universität zu Berlin)
 HANDFIELD Toby (Monash University)
 HIDALGO César (Université Toulouse - ANITI Chair)
 HILBE Christian (Max Planck Institute)
 HOESKSTRA Rosa (King's College London)
 HOWES Anton (The Entrepreneurs Network)
 MATHEW Sarah (Arizona State University)
 MEHMOOD Sultan (Ecole d'économie Aix Marseille)
 MENGEL Friederike (University of Essex)
 MICHELITCH Kristin (Vanderbilt University)
 MITCHELL Kevin (Trinity College Dublin)
 MILANOVIC Branko (City University of New York)
 MOLLEMAN Lucas (Tilburg University)
 PENNYCOOK Gordon (University of Regina)
 RAHWAN Iyad (Max Planck Institute for Human Development)
 RAND David (MIT)
 SHEEHY-SKEFFINGTON Jennifer (London School of Economy)
 STROHMINGER Nina (University of Pennsylvania)

IAST TUESDAY LUNCHES IN 2021

ALGER Ingela (IAST)
 BAUMARD Nicolas (CNRS)
 BAYER Peter (IAST)
 BECKER Anke (Harvard Business School)
 CARRILLO Paloma (TSE)
 COLLERAN Heidi (Max Planck Institute)
 CONWAY Jane (IAST)
 CHEN Daniel (IAST)
 DE PETRILLO Francesca (IAST)
 GARFIELD Zachary (IAST)
 GAY Victor (IAST)
 KENSUKE Teshima (Hitotsubashi University)
 KLESHNINA Maria (IAST)
 KUMON Yuzuru (IAST)
 LARREGUY Horacio (ITAM)
 MANTILLA César (Universidad del Rosario)
 MOLHO Catherine (IAST)
 MOSCOSO Bernard (UB School of Economics)
 NOEBEL Sabine (IAST)
 NURUTDINOV Imil (IAST)
 PEÑA Jorge (IAST)
 PHILIPPE Arnaud (University of Bristol)
 POWER Eleanor (LSE)
 SCHULZ Jonathan (George Mason University)
 SEABRIGHT Paul (IAST)
 SINGH Manvir (IAST)
 STROBL Renate (University of Basel)
 TAVANA Daniel (IAST)
 THIEME Sebastian (IAST)
 WILSON Michael (IAST)
 WYPLOSZ Charles (Graduate Institute of International and Development Studies)

Nov. 24-26, 2021
6TH PYRENEAN INTERDISCIPLINARY RESEARCH EVENT (PIREN)

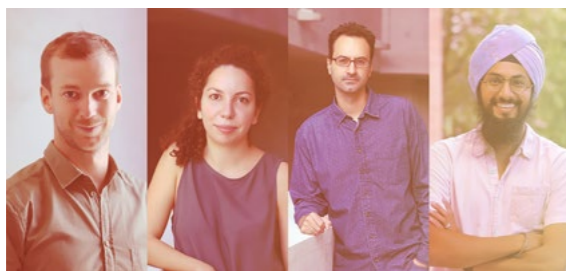


IAST ensures knowledge is shared by making science available. Participation in expert groups, in scientific projects, local outreach events, contributions to the public debate, books, editorial activities are all produced for the scientific community and for society in a way the public can understand and learn from. Discover here below a list of our community's initiatives and dissemination of our scientists' latest work.

THE IAST MULTIDISCIPLINARY PRIZE

The IAST prize aims to facilitate crossdisciplinary fertilization and is awarded annually to outstanding multidisciplinary research projects.

The 2021 prize was awarded to a project entitled «The Evolution of Institutions for Collective Action» proposed by Maxime Derex, Catherine Molho, Jorge Peña and Manvir Singh.



POLICY SUPPORT

DANIEL L CHEN delivered lectures to judiciaries and government officials of Brazil, Chile, Colombia, Estonia, France, Kenya, India, Pakistan, Peru, South Korea, the European Union, and International Conference on Computational Social Science (IC2S2).

GRANTS

EMMANUELLE AURIOL

received Antitrust Compliance Award 2021



ZACHARY GARFIELD and **MANVIR SINGH**, laureates of the New Investigator Awards at HBES2021



PAUL SEABRIGHT,

awarded Zerilli-Marimo Prize



IN THE PUBLIC EYE

March 29, 2021



MEET THE EXPERTS: THE ECONOMICS OF ANIMAL WELFARE

With **Nicolas Treich** and **Romain Espinosa**

Quai des savoirs
Toulouse, France

April 26-30, 2021



DATA SCIENCE & LAW FORUM 3.0

Jean-François Bonnefon, keynote speaker on The Psychology of Human Machine interaction

FUTURE INTELLIGENCE

Jean François Bonnefon took part in panel discussion at Future Intelligence on AI for Good, open to public.

June 1-2-3, 2021



Dec. 2, 2021

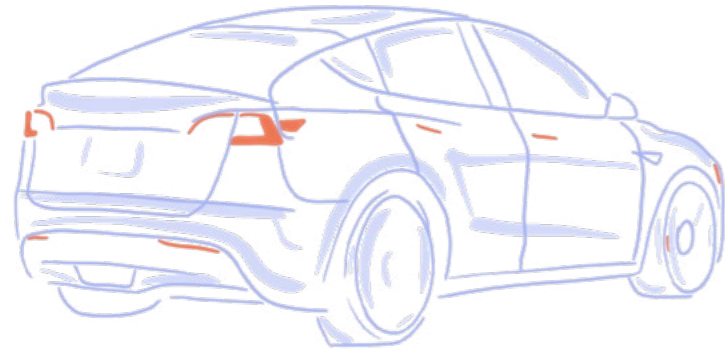
HOW WILL ARTIFICIAL INTELLIGENCE CHANGE SOCIETY ?
With **Jean-François Bonnefon**, César Hidalgo, and Dana Pizarro

IAST-TSE DEBATE: MEET THE EXPERTS

How will Artificial Intelligence change society?

Thursday, December 09, 5pm - 6pm (CET), Auditorium 3 & online - #TSEDebate
With Jean-François Bonnefon (CNRS, TSE, IAST, ANITI), César Hidalgo (ANITI, TSE, IAST, Harvard, U of Manchester), Dana Pizarro (ANITI, TSE) and moderated by Luca Bennis (TSE)





AI SELF-DRIVING CARS AND THE LOOMING AGGREGATED STATISTICAL TROLLEY DILEMMA

Jean-François Bonnefon
Forbes

IN THE PRESS

As always, the IAST community strives to reach out to the general public on its research findings. 2021 was a particularly impressive year for press interactions, with breaking scientific discoveries, and a grand total of 68 articles published in the media, both French and international. Here is a selection:

FRANCE HAS A NEW CONSERVATIVE LEADER WHO'S LOOKING TO TOPPLE PRESIDENT MACRON

Emmanuelle Auriol
CNBC

UNE EXPÉRIENCE POUR COMPRENDRE COMMENT SE DIVISE UN GROUPE DE PERSONNES

Adrien Blanchet
Journal du CNRS

FEMALE ROBOTS ARE SEEN AS BEING THE MOST HUMAN. WHY?

Sylvie Borau
The Conversation



RACISME, SEXISME : LES IA PEUVENT-ELLES SUPPRIMER LES DISCRIMINATIONS DANS LES AFFAIRES JUDICIAIRES ?

Daniel Chen
Numerama

AUX RACINES DU POPULISME

Frédéric Cherbonnier
Les Échos

CANADIANS WANT HOME CARE, NOT LONG-TERM CARE FACILITIES, AFTER COVID-19

Philippe De Donder
The Conversation

C'EST UN PEU COMME SI NOUS VIVIONS LA GRIPPE ESPAGNOLE DE 1918 ET LA GRANDE DÉPRESSION DE 1929

Victor Gay
L'Opinion

MODELING THE POWER OF POLARIZATION

Marijn Keijzer
PNAS News Feature

GLOBAL SUPPLY CHAINS - IS THE UK VULNERABLE?

Paul Seabright
BBC

IS BILL GATES A MODERN WITCH? COVID CONSPIRACY THEORIES INVOLVING BILLIONAIRE SIMILAR TO WITCH HUNT

Manvir Singh
USA TODAY



24H PUJADAS, LES CONSEILS D'UN PRIX NOBEL

Jean Tirole
LCI

LES HUMAINS SONT PRÊTS À PAYER BEAUCOUP POUR AMÉLIORER LE BIEN-ÊTRE ANIMAL

Nicolas Treich
La Recherche

IAST MAGAZINE

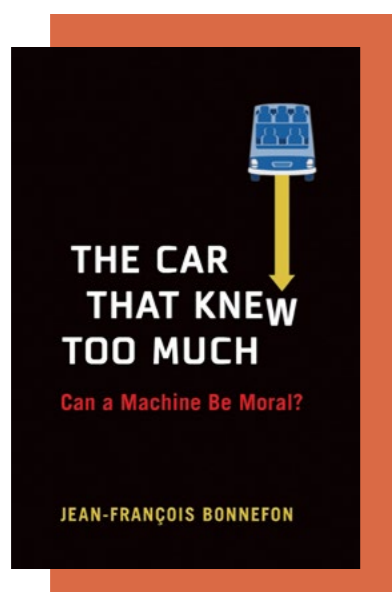


IAST MAGAZINE 17
Evolution Exploring Darwin's Legacy



IAST MAGAZINE 18
Celebrating 10 years of IAST

BOOKS



Jean François Bonnefon

The car that knew too much:
Can a machine be moral?

ISBN: 9780262045797

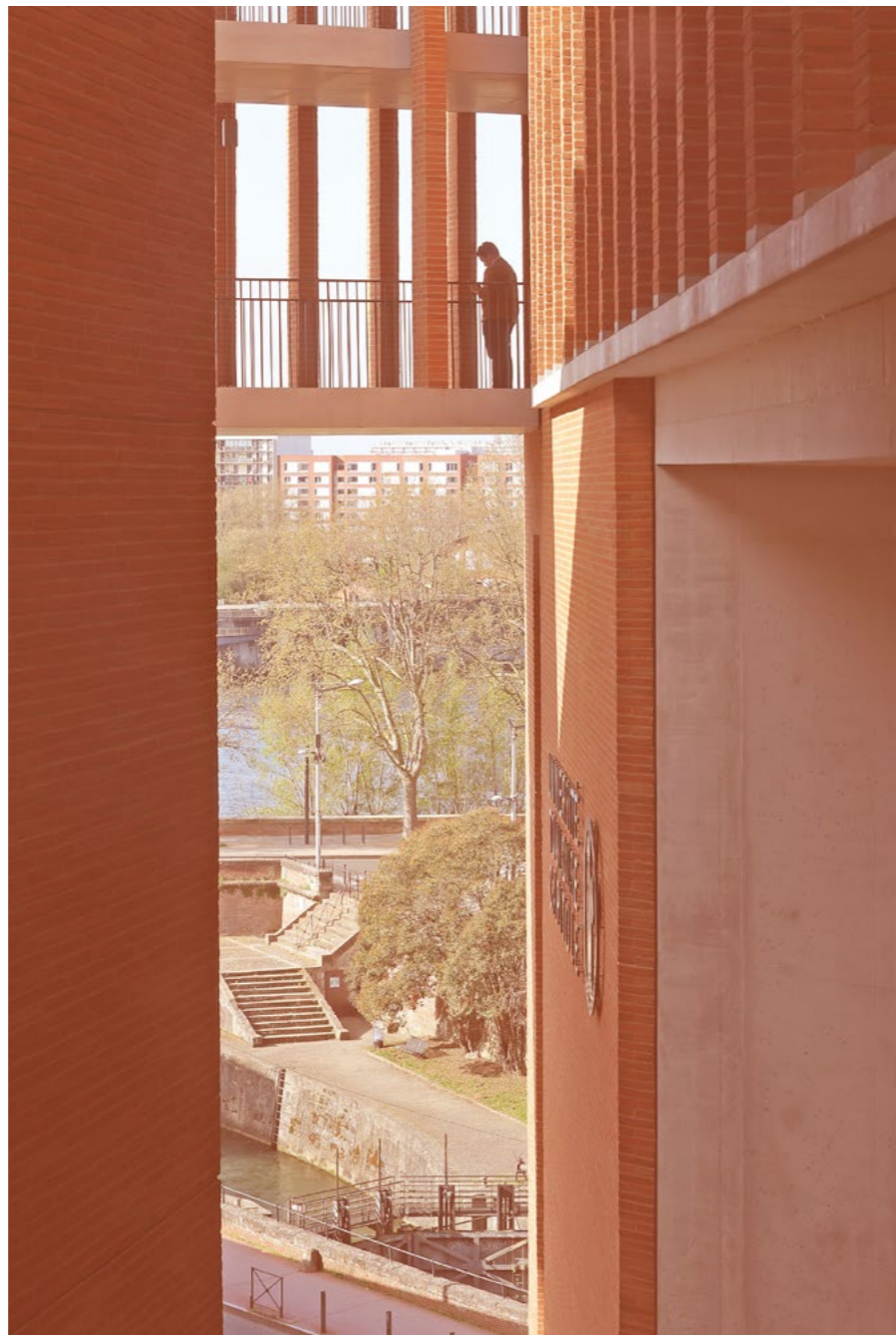
176 pp. | October 2021

The MIT Press



IAST VISITORS IN 2021

DUCH Raymond (Nuffield College)
 FRIEDMAN Jeffrey (Dartmouth College)
 LANDFRIED Gustavo (Universidad de Buenos Aires)
 LARREGUY Horacio (ITAM)
 MICHELITCH Kristin (Vanderbilt University)
 NÖLDEKE Georg (University of Basel)
 PREM Mounu (Universidad del Rosario)
 SHELTON Cameron (Claremont McKenna College)
 SIMPSON Alberto (ITAM)
 WEGHORST Keith (Vanderbilt University)
 WILSON Michael (University of Minnesota)



IAST PUBLICATIONS IN 2021

Ingela Alger, «On the evolution of male competitiveness», *Journal of Economic Behavior and Organization*, vol. 190, October, 2021, p. 228-254. doi: 10.1016/j.jebo.2021.07.027.

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Michael Becher and Daniel Stegmüller, «Reducing Unequal Representation: The Impact of Labor Unions on Legislative Responsiveness in the U.S. Congress», *Perspectives on Politics*, vol. 19, n. 1, March, 2021, p. 92-109. doi: 10.1017/S153759272000208X.

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664	1018	1292	2090	2814
2017	2018	2019	2020	2021
3467	4061	2335	2148	1991

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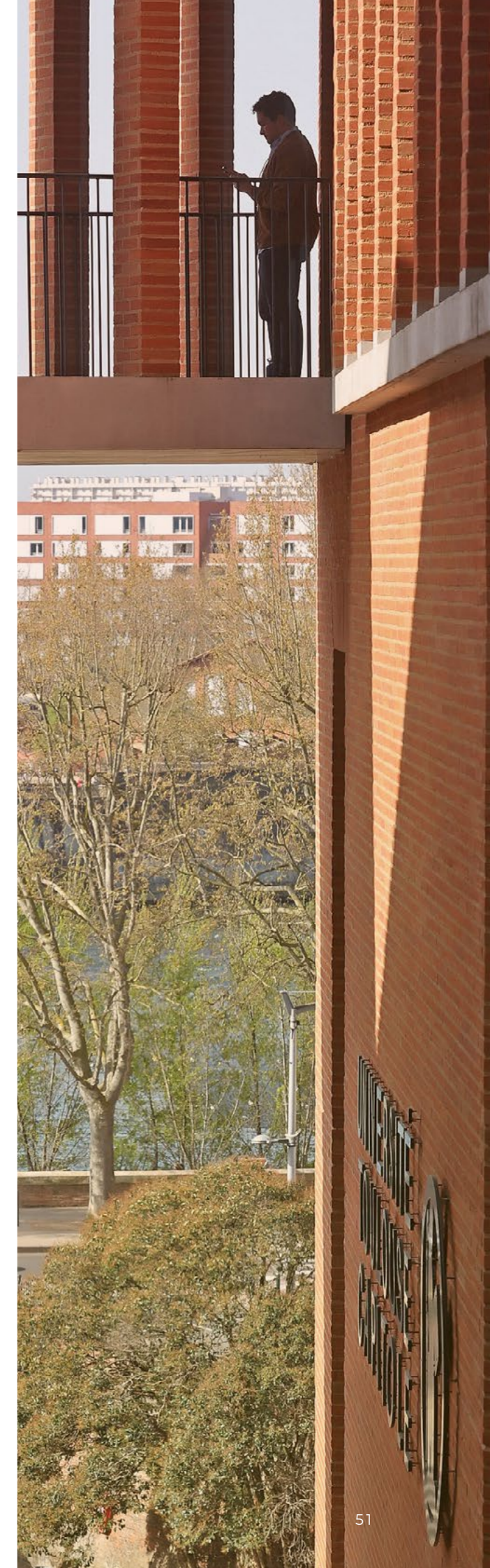
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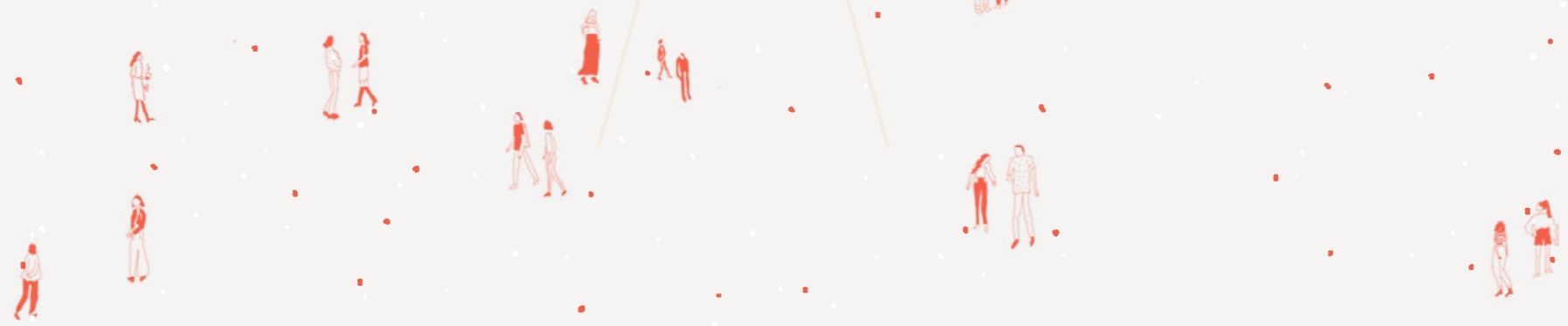
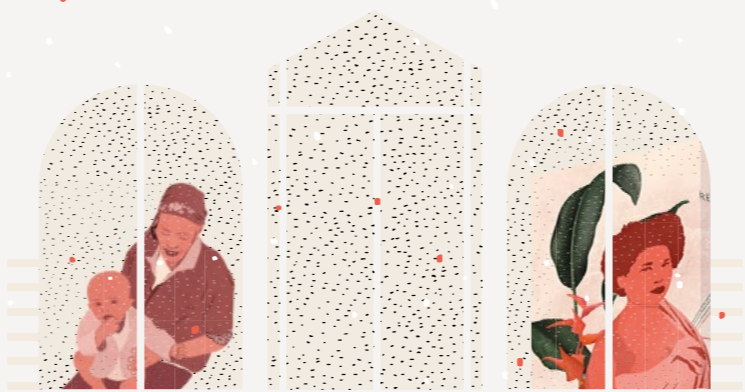
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