

# Daniel Rehsmann

DOCTORAL RESEARCHER · MICROECONOMIC THEORIST

24. SEPTEMBER 1990 · VIENNA – AUSTRIA

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## Academic Professions

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### University of Vienna

SCIENTIFIC PROJECT STAFF AT THE DEPARTMENT OF BUSINESS DECISIONS AND ANALYTICS

Vienna (AUT)

May 2021 - current

- Research:
  - Contest theory
  - Mechanism design
  - Industrial organization

### Alpen-Adria Universität Klagenfurt

PRE-DOCTORAL RESEARCHER AT THE DEPARTMENT OF ECONOMICS

Klagenfurt (AUT)

Sep. 2019 - current

- Research:
  - Contest theory
  - Mechanism design
  - Industrial organization
- Teaching:
  - Game theory (graduate)
  - Microeconomics (undergraduate)
  - Macroeconomics (undergraduate)
  - Quantitative research methods (graduate)
  - Interdisciplinary Conflict Research in the Alps-Adriatic Region (graduate)

### Alpen-Adria Universität Klagenfurt

SCIENTIFIC ASSISTANT AT THE DEPARTMENT OF GEOGRAPHY

Klagenfurt (AUT)

Mar. 2018 – Sep. 2019

- Econometric analysis of micro public transport

### Alpen-Adria Universität Klagenfurt

TEACHING ASSISTANT AT THE DEPARTMENT OF GEOGRAPHY

Klagenfurt (AUT)

Oct. 2016 – Feb. 2017

### Alpen-Adria Universität Klagenfurt

RESEARCH ASSISTANT AT THE CENTRE FOR PEACE STUDIES AND PEACE EDUCATION

Klagenfurt (AUT)

Oct. 2016 – Feb. 2017

## Education

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### Alpen-Adria Universität Klagenfurt

PH.D.: MODELING, SIMULATION AND OPTIMIZATION IN ECONOMICS

Klagenfurt (AUT)

Sep. 2019 - current

- Cumulative dissertation in game theory with contributions to:
  - Contest theory
  - Mechanism design
  - Industrial organization

### Alpen-Adria Universität Klagenfurt

MSC. IN INTERNATIONAL MANAGEMENT

Klagenfurt (AUT)

Oct. 2014 - Sep. 2018

- Masterthesis: The enclosure of the intellectual sphere · Top grade

### Alpen-Adria Universität Klagenfurt

BSC. IN BUSINESS ADMINISTRATION

Klagenfurt (AUT)

Oct. 2011 - Jul. 2014

- Bachelorthesis: Impact measurement methods in social entrepreneurship · Top grade

## Job Market Papers

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### Contesting Fake News

CESifo Working Paper

WITH BEATRICE ROUSSILLON AND PAUL SCHWEINZER – [ONLINE AVAILABLE HERE](#)

Sep. 2023

**Abstract:** We model competition on a credence goods market governed by an imperfect label, signaling high quality, as a rank-order tournament between firms. In this market interaction, asymmetric firms jointly and competitively control the underlying quality ranking's precision or verifiability by releasing individual information. While the labels and the information they are based on can be seen as a public good guiding the consumers' purchasing decisions, individual firms have incentives to strategically amplify or counteract the competitors' information emission, thereby manipulating the label's (or ranking's) discriminatory power. Elements of the introduced theory are applicable to several (credence-good) industries which employ labels or rankings, including academic departments, books, music, and investment opportunities.

### Choose Your Auction: Mechanism design for a bidder

SSRN Working Paper

WITH DMITRIY KNYAZEV – [ONLINE AVAILABLE HERE](#)

Oct. 2023

**Abstract:** This study discusses the maximization of a bidder's utility in auctions by leveraging the information about a bidder's value to formulate the auction's rules. To make the analysis interesting, the research focuses on auction formats perceived as fair and unbiased, in line with common European Union or World Trade Organization procurement regulations. In the main model setup, we do not allow the auctioneer to pay the bidders and characterize a preferable auction format as a second-price auction which pools – i.e., does not distinguish between – certain sets of bids. The analysis is then extended to allow for transfers towards bidders. In this more permissible environment we demonstrate that a substantially positive net interim utility can be guaranteed to a bidder without running a deficit in equilibrium. The theory is applied to a model of favoritism, discussing whether forms of preferential treatment in auctions are preventable or detectable.

## Publications

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### The Sumo Coach Problem

Review of Economic Design

[ONLINE AVAILABLE HERE](#)

Oct. 2022

### Properties of Bundle Valuations in Carrier Collaboration

CEJOR

WITH DMITRIY KNYAZEV AND RUDOLF VETSCHERA – [ONLINE AVAILABLE HERE](#)

Oct. 2022

## Conference talks

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|------|---|------------------|
| 2023 | <b>Choose Your Auction: Mechanism Design for a Bidder</b> , European Winter Meeting of the Econometric Society (Accepted) | Manchester (GBR) |
|      | <b>Contesting Fake News</b> , Conference on Economic Design   | Girona (ESP)     |
|      | <b>Contesting Fake News</b> , UECE Game Theory Lisbon Meetings - Programme  | Lisbon (PRT)     |
| 2022 | <b>Contesting Fake News</b> , Contests: Theory and Evidence   | Reading (GBR)    |
| 2021 | <b>The Sumo Coach Problem</b> , Contests: Theory and Evidence   | Berlin (DEU)     |

## References

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### Univ.-Prof. Mag. Dr. Paul Schweinzer, MSc

Department of Economics  
Alpen-Adria University Klagenfurt  
9020 Klagenfurt, Austria  
✉ paul.schweinzer@aau.at

### Prof. Alex Gerhskov

The Bogen Family Department of Economics  
Hebrew University of Jerusalem  
91905 Jerusalem, Israel  
✉ alex.gershkov@mail.huji.ac.il

### Univ.-Prof. Dr. Oliver Fabel, M.A.

Department of Business Decisions and Analytics  
University of Vienna  
1090 Vienna, Austria  
✉ oliver.fabel@univie.ac.at

### Ass.-Prof. Dr. Dmitriy Knyazev, BSc MA

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University of Vienna  
1090 Vienna, Austria  
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## Extracurricular Activity

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### Herbert C. Kelman Institute for Interactive Conflict Transformation

MEMBER OF WORKING GROUP

*Vienna (AUT) · Piran (SLO)  
Sep. 2016 - current*

### Network for Peace Studies in Austria

COORDINATION TEAM MEMBER

*Schlaining (AUT)  
Jun. 2016 - Nov. 2019*

### Office of the High Representative for Bosnia-Herzegovina

INTERNSHIP AT THE POLITICAL ADVISORY COMMITTEE

*Sarajevo (BiH)  
Mar. 2017 - Jul. 2017*

### Signet Logistics

CHEF DE BAR

*Murmansk (RUS) · Arctis  
May 2015 - Oct. 2015*

## Skills

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**Theoretical Interests** Game theory · Auctions · Contests · Mechanism Design · Industrial Organization

**Programming** Wolfram Mathematica · R · Perl · Bash · Python · LaTeX · CUDA · HPC-Parallelization

**Graphic Design** Adobe PS · Adobe ID · Adobe IL · Adobe LR · Inkscape · WordPress

**Languages** Slovene (C2) · German (C2) · English (C1) · Bosnian-Croatian-Serbian (B2)  
Italian (B1) · Spanish (A2)

**Interests** Theater acting · Photography · Chess · Piano