

Abstract: 17214

## International Trade Network Resilience during COVID-19

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### **Page: Type of Abstract**

#### **Type of Abstract**

In-Person Paper Abstract

#### **Session Types:**

##### **Hybrid Paper / Hybrid Panel Session**

A paper or panel session that is held in-person with both in-person and virtual presenters. Hybrid sessions can be requested by session organizers. Session organizers will provide the session title, presenters and abstract codes, and/or panelists to [meeting@aag.org](mailto:meeting@aag.org). (mailto:meeting@aag.org)

Submit your abstract as you would normally (either in-person or virtual), our staff will then work with your session organizer to add you to your session.

##### **Paper Session / Virtual Paper Session**

A paper session includes a series of individual presentations followed by a discussion.

- 80-minute session, 15 minutes per presentation
- 4 or 5 presenters per session, with an optional discussant
- Virtual paper sessions will take place in a Zoom meeting room

##### **Poster Session OR Virtual Poster Session**

Posters are exhibited for informal browsing with opportunities for individual discussion with poster authors.

- 80-minute session
- For in-person sessions, a 4' x 8' poster board (landscape-oriented only) will be supplied
- Presenters should upload a digital file of their poster which will be visible in the session gallery before and after the meeting
- Virtual poster sessions will take place in a Zoom meeting room and each poster presenter will have their own breakout room in which they can interact with the audience.

##### **Lightning Paper Session OR Virtual Lightning Paper Session**

The lightning paper session is a larger group of very short presentations summarizing research or studies in process in a particular field. It provides the audience with rapid and intensive overview of research and also allows for more in-depth discussion among presenters and the audience.

- 80-minute session
- 10-14 presentations per session
- 3-5 minute presentation for each

- 25- to 45-minute interactive roundtable discussion following presentations
- Maximum of 10 PowerPoint slides per presentation
- Virtual lighting paper sessions will take place in a Zoom meeting room

**Guided Poster Session OR Virtual Guided Poster Session**

A guided poster is a short oral summary of problem, data, method, and findings presented in poster format, followed by a one-on-one or small group discussion with interested listeners. Each presenter will post illustrations and other relevant materials on a poster board supplied by the AAG. All oral summaries will be given at the beginning of each session before participants disperse to the poster boards around the room.

- 80-minute session
- 8-12 presenters per session, 3- to 5-minute presentations per participant
- 30- to 45-minute interactive discussion following presentations
- For in-person sessions, a 4' x 8' poster board (landscape-oriented only) will be supplied
- Presenters should upload a digital file of their poster which will be visible in the session gallery before and after the meeting
- Virtual guided poster sessions will take place in a Zoom meeting room

**Page: Abstract information**

**Abstract Title**

International Trade Network Resilience during COVID-19

**Abstract**

The COVID-19 pandemic and subsequent lockdowns have created health and economic crises, leading to unprecedented disruption to world trade and supply chains. The COVID-19 shows diverse impacts on different economies and markets that suffer and recover at different rates and degrees. This research aims to evaluate the strengths and vulnerabilities of international trade networks (ITNs) in the current crisis to evaluate global production resilience and prepare for the future crisis. We applied a series of complex network analysis approaches on the monthly ITNs for the pre- and post- COVID-19 outbreak period. The overall findings elicit the hidden spatio-temporal trading disruption, development, and resilience due to the adverse impact of COVID-19 pandemic.

**Keywords**

International trade network, COVID-19, resilience, supply chain

**Primary Topic**

Geographic Information Science and Systems

**Secondary Topic**

Hazards and Vulnerability

**Tertiary Topic**

**2022 Annual Meeting Themes**

**Publishing Terms**

I agree

AAG will not automatically record virtual and live sessions; each session organizer is asked in advance whether they wish to opt in or not. Session organizers are responsible for communicating with all of their presenters to make sure that they are in agreement. Recorded sessions will be available for viewing by registered attendees for up to 180 days after the last day of the event. Program committee organized sessions will not be recorded.

**Page: Authors**

## **Presenters / Authors Listing**

### Authors

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**Participant Role:** Submitting Author (this is the author who will submit and present the abstract)

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