



INTERNATIONAL CENTRE FOR APPLIED  
SYSTEMS SCIENCE AND SUSTAINABLE  
DEVELOPMENT (ICASSSD)

# First Research School on Sustainable Solutions Feb - Aug 2023

*Calling young researchers to  
research and write a paper on  
Sustainability and Sustainable  
Solutions under the mentorship of  
acclaimed researchers in Co-operation  
with Sponsors & Associates*

(In online mode)



## OBJECTIVES

1. Co-Author a **Research Paper** at the end of the school.
2. **Learn** from researchers, faculty, and industry leaders.
3. Discuss, debate and research **Sustainable Solutions** in multi-disciplinary teams.





# SCHEDULE OF THE SCHOOL

DATE	TOPIC
Feb 17, 2023	<b>Opening Workshop: Panel Discussion on Sustainable Solutions for Next Century</b>
Feb 24, 2023	Technical Session 1: Introduction to Research & Research Process Discussion Session 1: Identification of Topics for Research
March 25, 2023	Technical Session 2: Research Ethics Discussion Session 2: Preparation of Research Proposal
July 22, 2023	Technical Session 3: Systems Thinking Discussion Session 3: Midterm Progress Presentations
August, 2023*	Technical Session 4: Industry Practices in Sustainability Discussion Session 4: Progress Presentations of Research Paper
<b>August, 2023*</b>	<b>Final Workshop: Panel Discussion</b> Presentation of Final Papers <b>*DATES WILL BE ANNOUNCED LATER</b>

## WHO SHOULD ATTEND?

Young researchers in engineering, sciences, environment, economics, sustainability, and technology. High school students in Grades 11-12 with interest in the area of sustainability may also apply.

### To Apply

<https://forms.gle/7bkX3pec3eF9LFeLA>

**There are NO Fees for participants.**

### Important Dates

Last Date of Registration:  
February 10th, 2023

- **All sessions are in the evening.**
- **Optional virtual sessions** in April, May, and June, with mentors on a need basis for discussion and finalization of papers.

### Some examples of themes/ topics that students may work on:

- Agroecology and sustainable food systems
- Green engineering
- Greenhouse gas emissions
- Circular economy and corporate sustainability
- Socioeconomic aspects of sustainable development: poverty/ gender/ climate change
- AI-Based sustainable solutions (AgTech and Precision Farming)



# BENEFITS OF ATTENDING THE RESEARCH SCHOOL

- Research papers will be published in a compendium at the end of the school. Students may send their work for publication to reputed journals with proper acknowledgement and co-authorship to mentors from ICASSSD
- Certificate of Completion
- Reference Letter and Volunteer Hours on request
- Opportunity to work in multi-disciplinary groups and look at problems in a holistic manner
- Opportunity to work with researchers, faculty and industry leaders
- Future Summer Job Opportunities with ICASSSD



## ABOUT ICASSSD

ICASSSD is a not-for-profit International Research Organization headquartered in the Kitchener-Waterloo Region in Canada (the Silicon Valley of Canada).

It conducts and utilizes solutions in the broad multi-disciplinary domains of sustainability and applied systems. The outcomes of research endeavours are practical impacts on communities worldwide.

ICASSSD actively fosters and supports the co-op mode of education and entrepreneurial curiosity-driven learning.