3rd Call for Submission of Abstract

Organizers

River Water User Association (India)-IRDRA

International River-Basin Foundation -

International Association of River Water Users and Water Conservators

Venue

National Academy of Sciences, India
5, Lajpatrai Road, Allahabad, U.P., 211002

Introduction

Rivers are the life of a Nation; their flow provides rhythmic vibrations to nature and sustains Ecology and biodiversity of a region. The Rivers have vast contribution to national economy by providing input to agriculture and are source of energy to various sectors. Most of culture flourished in the world near the rivers. Rainwater provides moisture to agricultural lands and recharges aquifers. The climatic changes, uneven population growth and vast industrialization has posed the challenges of water scarcity, water contamination, Sanitation and Health problems, Environmental pollution, Food security and Biodiversity losses throughout the world. The UN Decade 2018-28, calls for Action-water for Development of sustainable future through water will be the major agenda for 2nd International River Summit.

The river summit this year will focus on development of integrated water resource and their Management to achieve, water and food security, health, social, economic and environmental objectives and would compile how the sustainability can be achieved in water resources and food security through latest technologies, ICT, resource mobilization can be helpful to achieve sustainability. The Summit will explore nature, Science and Technology based solutions to the multiple water challenges we face in the 21st century due to water crisis and water stressed Agriculture.

The thematic sessions will also focus on the Special discussions on how we can achieve internationally agreed water-related goals and targets, including those contained in the 2030 Agenda for sustainable development by involving local issues.

The 2nd International Summit will provide an open forum to world leaders, Government representatives, Institutional heads, scientists, Academicians, researchers, hydrologists, Engineers, Economists and sociologists are and subject matter specialists to establish a vision that how the SDG 6 and other SDG,s can be helpful to achieve sustainability by 2030 despite having several hurdles.

Themes

Theme 1: Rivers as a source of Inspiration and Life
Theme 2: Valuing Rivers and Water
Theme 3: Threats to Water resources and Food Security
Theme 4: Ecosystem rejuvenation
Theme 5: Feel the vibration for sustainable life
Theme 6: Science, Technology, ICT and innovation as support system for Action
Theme 7: Policy issues, Governance and resource mobilization

Theme1: Rivers as a source of Inspiration and Life

- Rivers of the world, World's water challenges, Water Demand, water resource Assessments and Potential for 21st Century;
- Water accounting and budgeting, Integrated Water Resource Management and basin studies.
- Understanding Hydrological systems and their management needs. Economic impact of access to water, investments in the water sector and economic growth.
- Ground water resource Assessment, water footprints; Water Balance and Crop evapotranspiration needs.
- Role of water in the transition to a green economy, function of population growth, economic development and changing consumption patterns, Expanding Economic opportunities through water infrastructure; Water poverty relationship and gender inequality; Water and Sustainable Development.
- Sea and rivers Fisheries and fresh water diversity.
- Agriculture and Horticulture production; and Canal water management;

Action:
Assessment, Accounting, Budgeting, Foot prints

Keywords:
- Surface and ground water
- Agriculture & Horticulture Production, consumption patterns
- Fisheries
- Economy, Infrastructure, Poverty, Diversity, inequality, sustainability

Theme2: Valuing Rivers and Water

- Safe and affordable drinking water,
- Achieving access to sanitation and hygiene, WASH, water quality improvement, wastewater and safe reuse, ensure freshwater supplies;
- Wastewater treatment to avail energy, Nutrients and freshwater for reuse. Reduce vulnerability and improve resilience to water-related disasters.
- Agriculture water quality its improvement by various means, wastewater and safe reuse.
- Increase water-use efficiency and ensure fresh and Agriculture water supplies. Implement integrated water resources management.
- Protect and restore water-related ecosystems. Agriculture, Horticulture and Forest for production.
- Water productivity and efficient water use. Agriculture water management and means of implementation.
- Eliminating inequalities and water conflict management.

Action: Protection and Losses reduction

Keywords:
- Drinking water, waste water, sanitation Hygiene
- Agriculture water quality, wastewater treatment
- Agriculture production, Water use efficiency, water productivity, water use
- Food Processing
- Water conflict

Theme3: Threats to Water resources and Food Security

- Risk Management for Disasters and Climate Change
- Managing Water under Uncertainty and Risk. Hydrologic Modeling and watersheds, Land use change; Climate change effects, Drought and water scarcity, Floods and disasters and debris flows and there assessment and Management.
- Extreme weather events. Combat desertification; restore degraded land and soil, including land affected by desertification.
- Flow reduction in rivers, contamination in ground water, water table fluctuations, river siltation and meandering.
- Agriculture in uncertain climate. Climate effects on Plant, Human, soil;
- Threats to fisheries and sea water habitants; Ecosystem challenges and Biodiversity.
- Climate change mitigation, as many efforts to reduce carbon emissions and to sustain carbon storage in plants and soil rely on water availability. Environmental Assessments, Protection and Challenges.

Action:
Threats extent Assessment & Prediction, models, studies

Keywords:
- Climate change , disaster, soil degradation,
- Hydrology, watersheds, Forests
- Threats to Food security, Agriculture and fisheries

Theme4: Ecosystem rejuvenation

- Water resources adaptation strategies; Protection and restoration of water-related ecosystems, Ground water recharging, moisture conservation, watershed management practices, forestry as a source of healthy ecosystem, improving water use efficiency.
- Managing Agriculture, Horticulture and forests, Improving soils, Conservation and Management of soils,
- integrated watershed management. Wetlands improvement and Management.
- Natural processes to enhance water availability (e.g., soil moisture retention, groundwater recharge), improve water quality (e.g., natural and constructed wetlands, riparian buffer strips)
- Water harvesting water recharging, and reduce risks associated with water-related disasters and climate change (e.g., floodplain restoration, green roofs).
- Plant genetics and breeding techniques DNA manipulation techniques breed resistance against specific diseases and common pests and insects, and to reduce environmental burden of fertilizers,
- varieties to reduce the demand for irrigation water and to

Action:
Adoption, Protection, Conservation and storage, Management

Keywords:
- Recharging, moisture conservation, Agriculture, Horticulture and forests,
- Integrated watershed management. Water Harvesting,
- Wetlands, Ecosystem regeneration,
- Plant genetics and breeding, marine pollution, Coastal eutrophication.

improve crop production transgenic breeding, improved crop varieties for marginal agro-ecological regions.

- Improving resource use efficiency, conserving protecting and enhancing natural resources, meeting challenges of growing demand. Irrigation water Management.
- Prevention and reduction of marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution.
- Coastal eutrophication, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans

Theme5: Feel the vibration for sustainable life

- Maintaining ecosystem services, improving crop production, fisheries and horticulture, Sustainable agriculture, organic farming;
- Developing sustainable cities, Villages and Settlements, green technologies.
- Biotechnology and plant research for sustainable agriculture and food security, Crop genetic improvement for better yield;
- Reducing food losses through, preservation and packaging
- Environmental Pollution control, reducing its health impacts.
- Exploring nature-based solutions to the water challenges in the 21st century.
- Sustainable watershed planning, Hydrologic modeling and Decision support systems,
- Protection and conservation of mountain biodiversity; Action to reduce the degradation of natural habitats, halting loss of biodiversity, protection and prevention of extinction of threatened species.
- Ensure the conservation, Restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, improving forest cover, to promote the implementation of sustainable management of all types of forests, deforestation, restore degraded forests and substantially increase afforestation and reforestation globally, sustainable forest management
- Wet lands and Life below the Sea.
- Improving soil, soil reclamation and soil conservation for improving crop productivity

Action:
Sustainable development, Indigenous and green technologies, Nature-based solutions

Keywords:

- Pollution control, Improving soil
- Plant research and genetic Improvement
- Food loss reduction
- Ecosystem services maintenance, sustainable cities, Villages and Settlements
- Wet lands and life below the sea

Theme6: Science, Technology ICT and innovation as support system for Action

- Effective water resource management through ICT and database management; ICT systems for Information dissemination and mobilization, remote sensing and GIS applications IoT based system, Datamining etc.
- Present research and research needs for water conservation and recharging; Mobilizing resources, reaching to community.
- Making knowledge accessible, Creating Knowledge Platforms and other mechanisms for dissemination and transfer of Knowledge and data.
- Accounting and monitoring and Management tools, software and Models to control and monitor efficient use of water. Decision support systems and Expert systems.
- Agriculture and Biotechnology
- Solving food problem through food loss deduction; Improved variety, genetic characterization and improvement;
- Improving soil, and climate change mitigation and early warning systems.
- Sustainable development and integrated management of water resources to achieve of social, economic and environmental objectives. Improving technology choices, Locally available technology
- Opportunities in water sector search for equality, development of job opportunities either directly related to its management (supply, infrastructure, wastewater treatment, etc.) or in economic sectors that are heavily water-dependent such as agriculture, fishing, power, industry and health.
- Access to drinking water and sanitation through promotion of an educated and healthy workforce for sustained economic growth.

Action:
Scientific studies, Information systems, models, tools and technologies, Decision support systems

Keywords:
- IT and IOT Applications
- Remote Sensing and GIS
- Hydrological studies
- Crop studies and Analysis

Theme7: Policy issues, Governance and resource mobilization

- Water Awareness and Implementation
- Water resource management issues,
- Water conflicts and use and human rights. Inter-basin transfers and transboundary issues.
- The ability of countries to address the mounting challenges of matching water available with mounting demand for domestic, agricultural, industrial and environmental needs depends upon better management of water resources and more efficient use of water for productive purposes.
- Improved governance of water resources; Capacity building; Water governance in a participatory way to draws full potential of women and men as professionals and citizens,
- knowledgeable organizations, developing transparent institutional framework. Academia as a knowledge and information repository.
- Opportunities in water sector; development of job opportunities either directly related to its management (supply, infrastructure, wastewater treatment, etc.) or in economic sectors that are heavily water-dependent such as agriculture, fishing,
- Power, industry and health.
- Cooperation and collective action; Access to drinking water and sanitation to promote an educated and healthy workforce, as essential factor for sustained economic growth.
- Mobilizing financial resources and Resource Mobilization for Economic development. And to improve water efficiency and promote the creation and adoption of cost effective innovations;
- Adaptation and mitigation efforts, share knowledge, and build long-term resilience by investing in appropriate infrastructure.

Action:
Capacity building, Awareness, Resource Mobilization

Keywords:
- Indirect opportunities
- National Issues and plans
- Academia as a knowledge and information repository
- Case studies and proposals

Fields to be discussed

- *Integrated Water Resource Management*
- *Water Scarcity*
- *Water and Agriculture*
- *Water and Disasters*
- *Water and Ecosystems*
- *Water and Urbanization*
- *Water, Sanitation and Hygiene*
- *Water Quality and Wastewater*
- *Transboundary Waters*
- *Water, Food and Energy*
- *Water and Gender*
- *Human Rights to Water and Sanitation*
- *Water and society*
- *Water and the environment*
- *Water and the economy*

Subjects included

Agricultural Engineering	Agriculture	Ecosystems	Soil Science	Crop Production	Forestry
Plant Cell and Tissue Culture	**Irrigation and Drainage**	Environmental Engineering	**Soil and water conservation**	Integrated Water Resource Mgt.	Climate Change
Economics	Bioprocess Engineering	Chemical Engineering	Civil Engineering	Computer Engineering	Environmental Engineering
Food Engineering	Geotechnical Engineering	Genetic Engineering	Geological Sciences	Horticulture &Fruit Production	Genetics and Plant Breeding
Biotechnology	Bacteriology	Chemistry	Toxicology	Biological Sciences	Fisheries and Aquaculture
Information Technology	**Electrical Electronics & Communication**	**Management**	**Extension**	**Nanotechnology**	**Other areas related to water**

SDG's

SDG MAJOR TARGETS

Target 6.1: Achieve safe and affordable drinking water
Target 6.2: Achieve access to sanitation and hygiene
Target 6.3: Improve water quality, wastewater and safe reuse
Target 6.4: Increase water-use efficiency and ensure freshwater supplies
Target 6.5: Implement integrated water resources management
Target 6.6: Protect and restore water-related ecosystems

SDG's GOAL TUCHED

Goal 1 (1.4, 1.5, 1.a, 1.b);
Goal 2 (2.3, 2.4, 2.5, 2.a);
Goal 3(3.3, 3.9);
Goal 4(4.3, 4.4, 4.5);
Goal 5 (5.a, 5.b);
Goal 6 (6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.a, 6.b);
Goal 7 (7.a);
Goal 8 (8.3);
Goal 9 (9.4, 9.5, 9.a , 9.b, 9.c);
Goal 10 (10.1);
Goal 11 (11.3, 11.4, 11.5, 11.7, 11.a);
Goal 12 (12.2, 12.3, 12.4, 12.5, 12.6);
Goal 13 (13.1, 13.2, 13.3, 13.b);
Goal 14 (14.1, 14.2, 14.3, 14.4);
Goal 15 (15.1, 15.2, 15.3, 15.4 , 15.5 , 15.6 , 15.8 , 15.9 , 15.a , 15.b , 15.c);
Goal 16 (16.1, 16.7, 16.10);
Goal17 (17.1);

Participation

You may submit your proposals for:

- ***Plenary Address***
- ***Keynote Address***
- ***Oral and Poster Presentations***
- ***Holding complete Session***
- ***Partnership, Sponsorship and Advertising opportunities.***
- ***For discussion in special Sessions***

Submission

You may submit your Research Papers, Case Studies or Review articles for presentation to technical Sessions.

(Online Presentation facility through Skype will also be made available)
(Click the link for detailed theme):
https://www.rwua.org.in/Internationalriversummit2019/themes.html

The Abstract submission facility is available through

- **Direct submission by e-mail at** Riversummit2019@gmail.com **by filling the template available at(Ctrl + Click the link to follow):**
  https://www.rwua.org.in/Internationalriversummit2019/abstract.html

Submission through Easy chair through three tier peer review system, is available at our website(Ctrl + Click the link to follow):
https://easychair.org/account/signin?l=tHnfmXUYWC2wEf9J6ouP2S

Important Dates

Abstract Submission Closes	September 15, 2019
Registration Opens (with Full/ partial Payments)	June 01, 2019
Registration Closes for partial payments	September 30, 2019
Registration Closes	September 30, 2019
Abstract Acceptance	September 20, 2019
Last Date for submission of Full Paper	September 30, 2019

Registration Fee

Participants from India

	Registration Fee	
	Participation only	Speaker
Academic Institutions	INR 6,000/-	INR 8,000/-
ICAR & Other Research Institutions		
Central and State Government		
Foreign students in India	INR 6,000/-	INR 8,000/-
Indian students	INR 2,500/-	INR 5,000/-
Industries, NGO's & Other	INR 15,000/-	

Registration Fee for International Participants

	Registration Fee	
	Participation only	Speakers
Students	USD150	USD250
All Participants	USD300	USD350

Papers can also be presented through online presentation

SAARC countries delegates can submit their request for partial concession in Registration fee.
Request may also be submitted by all international delegates for group concession

Optional Charges

GALA DINNER

Participants from India	INR 2000/-
Participants outside India	USD 60/-

Transport to hotel will be provided to outside participants

Training (one day)*

Participatory Management and Micro-level Planning

Participants from India	INR 3,000/-
Participants from outside India	USD 100

Breakfast, Lunch and training material is included

Field Visit (one day city tour)*

Participants from India	INR 2,500/-
Participants from outside India	USD 80

Breakfast, Lunch, Transport, Ticket Charges are included

The Registration fee includes

The conference fee covers attendance to reception in all Technical Sessions, Registration Kit, two days morning and afternoon Tea/coffees breaks and lunches, Free Study Tour to Ganga Gallery, Entry to Product Exhibition and Certificate of attendance in Summit

It will also include entry to 2nd Asian Round Table discussion in Open Forum for Climate Change and SDG 6 and a Certificate of attendance.
Entry to National Meet on Water Scarcity and a Certificate of attendance

Student delegate must provide a copy of the current student identification card.
The facility to receive from Prayagraj Airport to Hotel will be provided to International Speakers.

Accommodation

Due to Tourist and Marriage season in India, the pre-booking for the Hotels will be required. Most of average to good Hotels will be available from USD50 to USD100 per night which can be booked directly by the delegate through Booking.com or , although for the purpose of quality, Security and distance from the Conference site, the delegates may send us an email for enquiry and confirmation.

Special Sessions

Asian Meet and Round Table discussion in Open Forum on Climate Change and SDG 6 Implications &Adoptions

National Meet on Water Scarcity

Events

Plenary and Technical Sessions
Panel Discussions
Interactions
Training
Field Visit
Gala Dinner
Social Gathering
Exhibition

Tentative Program

This year the River Summit will comprise of following major events:

November 28-29, 2019

- Inaugural Session, felicitation and award ceremonies, Plenary and Case studies, Parallel Technical Sessions for Oral and Poster Presentations
- 1st Asian Meet and Round Table discussion in Open Forum on SDG 6 Implications and Climate Change Adoption
- 2nd National Meet on Water Crises and Policy issues
- Visit to Ganga Gallery
- Exhibition
- Gala Dinner (Optional on payment)
- Joining of world River Expert network by the participants and invitation to join International Associations under World Council of Professional and Industries
- Ceremonial Signing of declaration for non-binding, voluntarily implementation of Action Agenda by country representatives and Summit Partners, providing a comprehensive blueprint of action to be taken Globally, Nationally and Locally by Organizations, Universities and Groups.
- Closing ceremony

November 30, 2019

- Visits and training (Optional on payment)

Awards and Honors

- ***River Award for Young water professional 2019***
- ***River Award for Global water professional 2019***
- ***River Award for Global Water Ambassador 2019***
- ***River Award for Global Partner in Water Initiatives 2019***

  (for Individual or group of Scientists, Research and Academic Institutions)
- ***River Award for Global Partner in Sustainable Development 2019***
  (for Individual or group of Scientists, Research and Academic Institutions)
- **WaClAg McDonald International River Award 2019**
  (for Outstanding scientists for their research and contributions in the field of IT, Agriculture, Water and Hydrology, Biotechnology, Environment, Science, Engineering and Technologies for Innovative Ideas)

- **The DREAM INDIA Innovation River Award 2019 (National/International)**
  (for efforts on Innovative Ideas and Technologies in IT, Agriculture, Biotechnology, Environment, Sciences, Science and Technology

- **The DREAM INDIA Industrial Leadership River award 2019**
  (Industries, their contributions in the field of agriculture Biotechnology, Environment, Sciences, Innovation and Technologies
- **River Award for Best Actor 2019**
  (for Actors who has participated in the acting related to Climate Change,Water Natural Resource Conservation and its Sustainable Development)

To apply for award please write to us at riversummit2019@gmail.com

Study Tour

Visit to Ganga Gallery, NASI, India

Exhibitions

Products and Technologies in water and related sectors

Field Visits

SANGAM- Confluence of Ganga and Yamuna
Anand Bhawan
Allahabad Museum

Abstract Submission Guidelines

CALL FOR ABSTRACTS FOR ORAL and POSTER Presentations

International River Summit 2019 is inviting abstracts for two categories of presentation:

Oral presentations

Oral submissions are invited from authors. All abstracts submitted will be assessed by the Scientific Committee.
Abstract submission is to be done in prescribed format.
When you submit your abstract please indicate whether you will also be providing a full paper for publishing with the online conference proceedings.
The total allocated time for General Presentations will be 10 minutes, 15 minute question answer session also be taken together for all presenters.
Oral Presentations 10 minutes, Question hour at the end of presentation.
Lead Presentations 15 minutes, a 5 minute question time will be provided at the end of presentation.
Keynote Address 20 minutes, a panel discussion will be held at the end of session for all the presenters.
Plenary Presentations maximum to 30 minutes

Copy right form submission is essential with the full paper for publication.

Posters

Posters provide an excellent opportunity to showcase any of your or your organisation's innovations and ideas in a concise and easy to read manner. Posters will be displayed in
hard copy. A Poster submission is a great opportunity to share your work with **IRS-2019** delegates in an informal and one on one setting.
Posters has to be submit in proper prescribed ppt template after acceptance of Abstract.
Selected Posters will be displayed at the gallery and presenters will be given 2minutes time to present it before the expert committee members.

The **IRS-2019** is awarding a Memento for the best poster submitted in 2019, the poster author must attend the **IRS-2019**. The Poster Award will be announced during the Summit finale.

The nomination to present a poster within the IRS-2019 is also spaced with the additional option to make a short (two-minute) oral presentation to conference delegates.

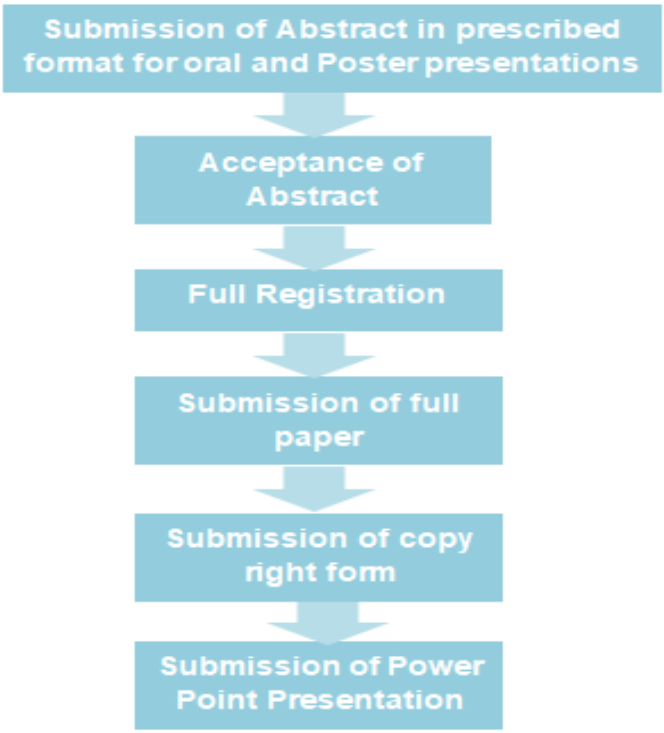
This presentation includes a two minutes presentation and one question from the audience. This is a unique opportunity which allows you to be included in the Summit program, and to initiate more in-depth conversations with fellow delegates regarding your work. Full paper should also be submitted after acceptance of Oral/Poster Abstract.

SUBMISSION REQUIREMENTS

While submitting your abstract, you may fill all the details in the attached template and mails to us at **IRS-2019** you have to submit

- Title of Your paper
- Theme and sub theme area
- Name and organization of all the authors
- A short Biography of 50-100 words of presenting author , so that IRS-2019INDIA delegates can understand your professional or research background. This may also be used as promotional material.
- You will be asked to list five (5) key-words that best describe your topic, case study, geography and/or issues.

SUBMISSION PROCESS



FORMAT

Please use the sample template given to prepare your submission – just overwrite with your own information, save where you can find it easily and then email it to us.

Title of presentation to appear in program should be limited to 12 words maximum.

- Format: Ms Word File
- Approximate size of Abstract 200 words
- 12-point Times New Roman font
- Author(s) (underline author(s) who will be presenting)
- Affiliation / Institution of each author
- Email contact address of each author

The abstract should be text only and submitted in English.

Abstracts may be submitted through e-mail in a given format or through easy Chair abstract submission process

Abstract Submission

- To submit your abstract, simply choose the theme and keywords for your Abstract Proposal.
- Construct your abstract in the appropriate Oral/ Poster Submission template document.
- Once your abstract is completed, download the word template from the ABSTRACT SUBMISSION menu at our website.
- Fill-in the template and save it by the file name as under

- *Please save Word Document with file name such as: IRSINDIA2019_ Last name First initial.doc(e.g. IRSINDIA2019_Mishra R.doc)*
- Send the template to us at the email: **RiverSummit2019@gmail.com** by mentioning SUBJECT: IRS2019 Abstract submission.

You may also submit the ABSTRACT through Easy Chair web link at our website :

SELECTION CRITERIA

Abstracts will be evaluated on the following criteria:

- Relevance to Conference theme/subtheme or topic
- Originality (e.g. contribution of new knowledge, practice or insight)
- Significance of the work
- Audience appeal
- How they will contribute to the diversity of presentations at the conference
- Demonstration of presentation ability (including facility with English language).

ACCEPTANCE NOTIFICATION

You will be notified within 20 days of Closing of Abstract submission, if your abstract has been accepted. Notification regarding acceptance of the abstracts will be emailed to the submitting author. The author will then be required to register for the Conference with in the last date of Registration and should submit the full paper within the notified dates.

The number of abstracts received usually outnumbers the program places available. Abstracts submitted but not selected for Oral presentation may be offered Speed Talks or Posters.

The Scientific Committee may seek to edit your work (with your approval), however it is critical that it has been checked carefully for grammar, spelling and technical correctness prior to submission.

PRIVACY STATEMENT

In accordance with the Privacy Amendment Act 2001, we advise that All information should be provided correct and a responsible manner.

CONDITIONS FOR PRESENTATION

1. All presenting authors **must register with in the last deadline of online registration t**o attend.
2. All travel and accommodation for presenting authors is **at your own expense**.
3. All authors must complete the copyright release form found on the online submission system when submitting their Abstract/ full paper for consideration.
4. Standard audio visual is provided for all sessions (microphone, Projector, screen, and laptop). Any additional requirements must be informed at the time of submission of full paper.
5. Material presented must be based on the authors own original material.
6. **Presently IRS-2019 has no funds available to support attendance of authors submitting abstracts under this Call. Although Presenters may preregister with the request for partial funding subject to availability of sponsors.**

Contact details

If you need any further clarification or have any questions, please do not hesitate to contact

Email: RiverSummit2019@gmail.com