



# CALL FOR PAPERS

**ICAUCNSUCM 2020**  
**Feb 10-11, 2020**  
**Barcelona, Spain**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICAUCNSUCM 2020 : International Conference on Applications of Underwater Communication, Networking Systems and Underwater Channel Modeling is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Applications of Underwater Communication, Networking Systems and Underwater Channel Modeling. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Underwater wireless signals:  
acoustics, optics, magnetic  
induction, electromagnetic wave,  
and so on  
Underwater channel modeling,  
estimation, and characterization  
Underwater communication physical  
layer solutions: synchronization,  
signal processing, modulation,  
transceiver and modem designs, link  
budget, and so on  
Underwater networking solutions:  
medium access control,  
routing/forwarding, reliable data  
transfer, congestion control,  
security, self-organized  
networking, and so on  
Underwater network and system  
architecture design: proto-type,  
testbed, and platform  
Underwater communication traffic  
engineering: traffic modeling,  
packet/circuit call management,  
quality of service (QoS), and so  
on

Underwater communication supported  
by emerging IT technologies such as  
IoT, machine learning, cloud  
computing, big data, and so on  
Underwater cellular communication:  
channel allocation, handoff,  
signaling procedure, mobility  
management, and so on  
Underwater robotics: navigation,  
tracking, localization, power,  
communication, and networking  
Demonstration of experiment  
results: field trial, measurement,  
and case study  
Applications of underwater  
communication and networking  
systems: aquaculture, environment  
data collection, archeology, search  
and rescue, video/image streaming,  
AUV/UUV management, remote  
monitoring and control, human  
operator interaction, disaster  
detection and early warning, and so  
on