



CALL FOR PAPERS

ICAUCNS 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.

ICAUCNS 2020 : International Conference on Applications of Underwater Communication and Networking Systems is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Applications of Underwater Communication and Networking Systems. 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