



# Engineering and Applied Science Advances for Climate Changes Adaptation and Mitigation

## TOPICS OF INTEREST (BUT NOR LIMITED TO)

### Track 1 : Climate Change & Climatology

- Climate change and food security
- Climate Change impacts on biodiversity conservation and natural resource management
- Climate Change and Sustainable Development
- Urbanization and flooding
- Industry and business sector experiences with climate change including finance
- Dealing with climate change: poverty and gender issues
- Climate change: Impacts on water and sanitation and health in the developing world
- Climate change and Green initiatives & products
- Global Warming and Climate Change
- Renewable Energy and Climate Change
- Climate Change and Energy: Policies, Planning & Management

### Track 4 : Computer Design, Interaction & Simulation

- Parallel and distributed simulation
- Multi-agent based distributed simulation
- Grid and cloud-based simulation
- Spatial modeling and simulation
- Web-based modeling and simulation
- Service-oriented computing and simulation
- Simulation of multimedia applications and systems
- Pervasive and ubiquitous computing architectures and applications
- Data management and distribution issues
- Simulation studies at large and very large scale
- Visual interactive modeling
- Interactive computer based training and learning
- Human communication through immersive environments
- Collaborative virtual and augmented reality
- Artificial Intelligent and its perspectives
- Serious gaming and massive multiplayer
- 3D video and acoustic reconstruction
- Simulator coordination

### Track 2 : Paradigms, Methodology, Algorithms, Measuring & Modelling

- Climate change and food security
- Climate Change impacts on biodiversity conservation and natural resource management
- Climate Change and Sustainable Development
- Urbanization and flooding
- Industry and business sector experiences with climate change including finance
- Dealing with climate change: poverty and gender issues
- Climate change: Impacts on water and sanitation and health in the developing world
- Climate change and Green initiatives & products
- Global Warming and Climate Change
- Renewable Energy and Climate Change
- Climate Change and Energy: Policies, Planning & Management Technologies and strategies for Adaptation and Mitigation to Climate Change
- Climate Prediction: Modeling climate change impact and Detection of Recent and Future
- Climate adaptation governance and institutions
- Economic Aspects of Adaptation to Climate Change
- Barriers to climate change adaptation
- Climate communication strategies and use of climate information in decision making
- Capacity building
- Infrastructure design
- Management and systematic reduction of climate-induced hazards and disasters
- Monitoring and evaluation of climate risk management
- Instrumentation Engineering
- Regional Planning & Architecture
- Materials Engineering
- Instrumentation Engineering

### Track 3 : Energy & Environmental Engineering

- Energy efficiency
- Energy policy
- Energy security
- Renewable energy
- Energy access
- Environmental sustainability
- Power generation
- Clean energy technologies
- Air pollution
- Solid waste management
- Waste water engineering and treatment
- Environmental management
- Forestry Sciences and engineering
- Water and energy supply
- World stock markets
- Disaster planning

### Track 5 : Infrastructure & Development Environments

- Data interfaces
- Network protocols and model repositories
- Smart cities and networks
- Industry 4.0
- Large scale multi-sensor networks
- Situative and attentive interaction
- New technology
- Embedded interaction
- Telepresence systems and shared workspaces
- Smart transportation
- Real-Time considerations of Multi-Modality
- Novel instruments and systems for measuring ecosystem -atmosphere exchanges
- Mapping terrestrial biome productions (GPP)
- Upscaling flux measurements to regional, continental and global scale

Authors are invited to submit **full paper** (4-6 pages) in PDF format via **EDAS** <http://edas.info/N25124>. All accepted and presented papers will be submitted for uploading to the **IEEE Xplore Digital Library** and it will be normally **indexed in SCOPUS** database. Paper must be using IEEE Paper format.

## REGISTRATION

	INTERNATIONAL PARTICIPANT		LOCAL PARTICIPANT	
	EARLY BIRD	REGULAR	EARLY BIRD	REGULAR
IEEE Students*	\$ 225	\$ 275	IDR 1,750,000	IDR 2,250,000
Regular Students (Non IEEE)	\$ 275	\$ 325	IDR 2,000,000	IDR 2,500,000
IEEE Professional	\$ 275	\$ 325	IDR 2,000,000	IDR 2,500,000
Regular Professional (Non IEEE)	\$ 325	\$ 375	IDR 2,250,000	IDR 3,000,000
Conference Attendee	\$ 150	\$ 175	IDR 1,250,000	IDR 1,500,000
Extra Paper (per paper)	\$ 175	\$ 225	IDR 1,500,000	IDR 2,000,000
Extra Page (per page)	\$ 50	\$ 75	IDR 500,000	IDR 750,000

Scopus

## IMPORTANT DATES

EARLY BIRD	MILESTONES	REGULAR BIRD
30 AUGUST 2018	SUBMISSION DEADLINE	21 SEPTEMBER 2018
10 SEPTEMBER 2018	ACCEPTANCE NOTIFICATION	1 OCTOBER 2018
12 SEPTEMBER 2018	REGISTRATION DEADLINE	10 OCTOBER 2018
13 SEPTEMBER 2018	FINAL MANUSCRIPT DEADLINE	11 OCTOBER 2018
10 - 11 DECEMBER 2018	CONFERENCE DATE	10 - 11 DECEMBER 2018