



UNIVERSIDAD DISTRITAL  
FRANCISCO JOSÉ DE CALDAS



# Workshop on Engineering Applications WEA 2016

The Engineering Faculties of the Universidad Distrital Francisco José de Caldas and the National University of Colombia - Bogotá Campus are glad to invite researchers, students, and practitioners on any engineering field to participate into one of the tracks of this multi-congress event which will be held in Bogotá – Colombia.



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## CALL FOR PAPERS

### Important Dates:

#### Paper and Poster submission deadline:

June 17<sup>th</sup> 2016

Notification of acceptance  
date: July 15<sup>th</sup> 2016.

Tutorial proposal deadline:  
June 17<sup>th</sup> 2016.

Final version deadline:  
July 29<sup>th</sup> 2016.

Workshop dates: September  
21-23<sup>th</sup> 2016.

### Location and Venue:

Universidad Nacional de  
Colombia - Bogotá Campus.

### Track 1: 3<sup>rd</sup> Workshop on Engineering Applications – IEEE Universidad Distrital, Universidad Nacional de Colombia Student Branches

Energy distribution management systems	Power electronics
Power and energy systems	Robotics
Digital image processing (DSP)	Communication systems
Automation and control systems	Computer science
Acoustics and vibration	Software engineering
Computer networks	Semantic web
Bioengineering and Bioelectronics	Computational Intelligence
Earth sciences, geomatics and geodesy	Climate change
Geolocalization and Geoprocessing	Transportation systems
Education in engineering	Innovation and TICs on Engineering Projects
Knowledge Management	Project Management
TICs and Innovation on Public Management	Innovation and Management on Engineering Projects
Open Data and Linked Data	Internet of Things and Industry Applications
Telemedicine	Smart Cities
Semantic WEB and WEB 3.0	Cloud Computing
Data Visualization	

### Track 2: Complex Systems and Simulation Environments - Institute of Industrial Engineers, Chapter 985-IIE-UD

Simulation of Social events and Behavior	Simulation Applications.
Modeling and Implementation Methodologies.	Project Management and enterprise management.
Optimization with Simulation	Decision Processes.
Agent-based Simulation	Environmental Management and Sustainability.
Hybrid Simulation	System Dynamics
Applications of simulation on health, transportation, manufacturing, logistics	

### Track 3: Logistics and Supply Chain Management – SEPRO UN Research Group

City Logistics	Mathematical modeling applied to logistic and supply chain management
Supply chain management	Humanitarian logistics
Food and agriculture logistics	Public health logistics
Simulation applied to logistics and supply chain management	

Website: <http://iee.udistrital.edu.co/wea2016/>

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## TRACK ORGANIZERS:

**Track 1: 3<sup>rd</sup> Workshop on Engineering Applications – IEEE Universidad Distrital, IEEE Universidad Nacional Student Chapters:** Organized by IEEE Universidad Distrital & IEEE Universidad Nacional Student Branches. Contact: [ramaieeed@udistrital.edu.co](mailto:ramaieeed@udistrital.edu.co) - [lamic@udistrital.edu.co](mailto:lamic@udistrital.edu.co)

**Track 2: Complex Systems and Simulation Environments - Institute of Industrial Engineers, Chapter 985-IIE-UD:** Developments and Applications of Simulation Systems. Organized by IIE Universidad Distrital Student Chapter. Contact: [iie.ud@udistrital.edu.co](mailto:iie.ud@udistrital.edu.co) - [ses@udistrital.edu.co](mailto:ses@udistrital.edu.co)

**Track 3: Logistics and Supply Chain Management:** Developments and modeling of logistic systems and supply chain problems. Organized by SEPRO UN research group. Contact: [jaorjuelac@unal.edu.co](mailto:jaorjuelac@unal.edu.co)

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## PAPER SUBMISSION

All papers must be written following IEEE rules and templates:

[http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Paper submission will be handled through EasyChair, so all authors are encouraged to use our system.

<https://easychair.org/conferences/?conf=wea-2016>

All accepted papers will be considered for possible inclusion into the conference proceedings and indexed into the IEEE Xplore database according to IEEE and IEEE-Xplore policies.

Three indexed Journals have been associated for possible publication of the best conference papers based on peer-review process:

- Revista de Ingeniería Universidad Distrital - <http://revistas.udistrital.edu.co/ojs/index.php/reving>

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## More information:

<http://iee.udistrital.edu.co/wea2016/>

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