

Initiatives

Ian O'Connor – Ecole Centrale de Lyon / Lyon Institute of Nanotechnology

- Jose Ayala – UCM, ES
- Jorge J. Gomez-Sanz – UCM, ES
- Pierre-Emmanuel Gaillardon – University of Utah, US



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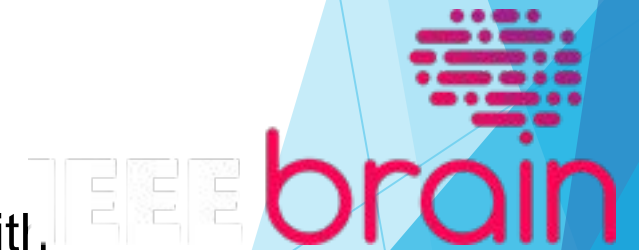
Initiatives portfolio

- represent CEDA in the various IEEE initiatives (and their flagship conferences) in which CEDA has interest:
 - Confirmed:
 - Smart Cities / ISC2: Jose Ayala (U. Complutense, Madrid, ES)
 - Brain: Jose Ayala (U. Complutense, Madrid, ES)
 - IoT / WF-IoT: Jorge Gomez Sanz (U. Complutense, Madrid, ES)
 - Rebooting Computing / ICRC: Pierre-Emmanuel Gaillardon (U. Utah, US)
 - Possible:
 - Quantum Initiative
 - Big Data Initiative



Status of Activity

- Transitioning from past Initiatives Chair (Jose Ayala)
 - Email exchanges and online meeting (Feb. 3rd 2020)
- Smart Cities Initiative
 - voting member
 - active participation in monthly discussions
 - ISC2 2019 (October, Casablanca) was successful in terms of registrations but the organization was very poor
- Brain Initiative
 - Currently participating in Brain Transition committee
 - Following their plan for the future and see if there is alignment with CEDA



Status of activity

- IoT Initiative
 - Good connection with current Initiative leaders (ComSoC)
 - De-facto voting member due to lack of participation of others
 - Major sponsor (not leading sponsor)
 - Transition plan: initiative should be financially independent in 2-3 years, with decreasing contribution from societies
 - IoT Magazine is launched and expecting contributions from societies
 - MoU renewed (March 13th 2020)
- WF-IoT 2020 (100k\$ revenue expected) postponed
 - Request for 2 CEDA speakers in the Vertical Track on IoT for "Industry" – e.g. IoT in Manufacturing, use of IoT for Collaborative Design, Industry 4.0, Digital Twins or Design Automation
 - 3 industrial speakers contacted, timing too difficult



IEEE
Internet of Things



IEEE World Forum
on Internet of Things

IEEE 6th World Forum on Internet of Things
5-9 April 2020 // New Orleans, Louisiana, USA



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Status of activity

- Rebooting Computing Initiative
 - Strengthen links both ways between IEEE RCI and CEDA
 - Difficulty: ICRC collides with ICCAD
 - Actions planned:
 - Organize a CEDA-sponsored special session
 - At ICRC, related to EDA
 - At ICCAD, related to RCI
 - Organize a workshop on quantum computing EDA
 - co-located with an EDA conference or as an independent event

IEEE 
rebooting
COMPUTING

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Future Directions

- Building action plan for all initiatives
- Decision on pursuing participation of CEDA in EDA for Power Electronics (PELS)
- Exploring potential for CEDA interest in
 - Quantum Initiative
 - Big Data Initiative
 - Identify participants from CEDA community
 - Identify scope and interest to CEDA



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