

Welcome to Day #4

Marco Zennaro,
mzennaro@ictp.it



Workshop Agenda – slides!

Day 3	Wednesday	<p>Hands-on Computer Vision</p> <p>3:00 PM (EN) Day Opening</p> <p>3:05 PM (EN) Convolutions for Computer Vision</p> <p>3:45 PM (SP) Hands-On Computer Vision</p> <p>4:45 PM (SP) Case Study: Bee Counting with FOMO</p> <p>5:00 PM (SP) Case Study: Satellite Applications for TinyML</p> <p>5:15 PM (EN) Case Study: AI-vision Sensors for Water Quality Monitoring</p> <p>5:30 PM (EN) Case Study: Detecting Usage of Personal Protective Equipment with a CNN</p> <p>5:45 PM (SP) Case Study: Computer Vision - Mask/No-Mask</p> <p>5:55 PM (EN) Day Closing</p> <p>6:00 PM (SP) Office Hour</p>	<p>Marco Zennaro of ICTP Slides</p> <p>Brian Plancher of Barnard College, Columbia University and of Harvard University Slides as PDF as Google Slides</p> <p>Marcelo Roval of Federal University of Itajuba - UNIFEI Slides</p> <p>Ivan Balsa of Universidad Carlos III de Madrid and of Federal University of Itajuba - UNIFEI Video</p> <p>José Antonio Bagur Nájera of Universidad del Valle de Guatemala Video</p> <p>Marcelo Pias and Bruna Guterres and Lucas Caetano of Federal University of Rio Grande - FURG Video</p> <p>G. França of Instituto Federal de São Paulo - IFSP Video</p> <p>Juan Camilo Giraldo Londoño and Karen Sofia Bustamante Villota of Universidad Autónoma de Occidente Video</p>
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Workshop Agenda

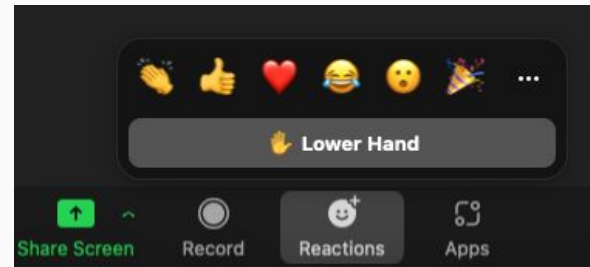
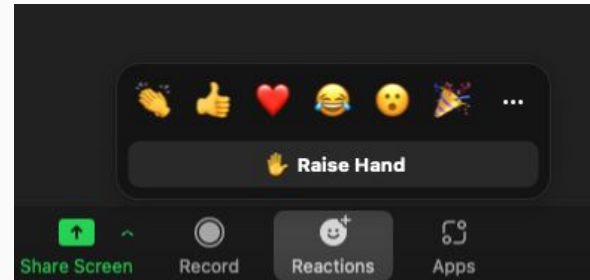
Day 4	Thursday	<p>Hands-on Key Word Spotting</p> <p>3:00 PM (EN) Day Opening</p> <p>3:05 PM (SP) ESPOL Case Studies Introduction</p> <p>3:10 PM (SP) Case Study: Early detection of faults in electric motors</p> <p>3:20 PM (SP) Case Study: Audio Processing to Prevent Possible Femicides</p> <p>3:40 PM (SP) Case Study: Indoor Localization</p> <p>4:00 PM (SP) Hands-on Keyword Spotting</p> <p>5:25 PM (EN) Case Study: TinyML for Key Recognition from the Sound of a Physical Keyboard</p> <p>5:40 PM (EN) Case Study: Domestic Appliance Classification with TinyML via Current and Voltage Signals</p> <p>5:55 PM (EN) Day Closing</p> <p>6:00 PM (SP) Office Hour</p>	<p>Marco Zennaro of ICTP</p> <hr/> <p>Ronald Criollo of Escuela Superior Politécnica del Litoral video ESPOL 1 video ESPOL 2</p> <hr/> <p>Diego Méndez Chaves of Pontificia Universidad Javeriana Video</p> <hr/> <p>José Antonio Bagur Nájera of Universidad del Valle de Guatemala</p> <hr/> <p>Renan Castro of Instituto Federal de São Paulo - IFSP Video</p> <hr/> <p>Ivan Lucas Arandes of Instituto Federal de São Paulo - IFSP Video</p>
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Interaction

You are more than welcome to ask questions!

Please raise your hand in Zoom to ask questions.

Unmute, turn on your camera and ask your question. Please lower your hand and mute yourself afterwards.



Interaction via Discord

If you have longer questions/ don't want to talk, please use the **"ictp-workshop"** Discord channel. Questions and answers in Discord will remain after the workshop (--> good reference!).

Please join Discord by following this link: <https://discord.gg/fFTmVGtq> if you haven't already done so!

We will use **Zoom chat only for announcements.**

Student slides

Please let us know if you are a student and want to present a project on Friday.

You should just send us a **title, a short abstract** and prepare a **2 minute video**.

The best projects will receive TinyML kits. Don't miss this opportunity!