



AACD 2019 Venue

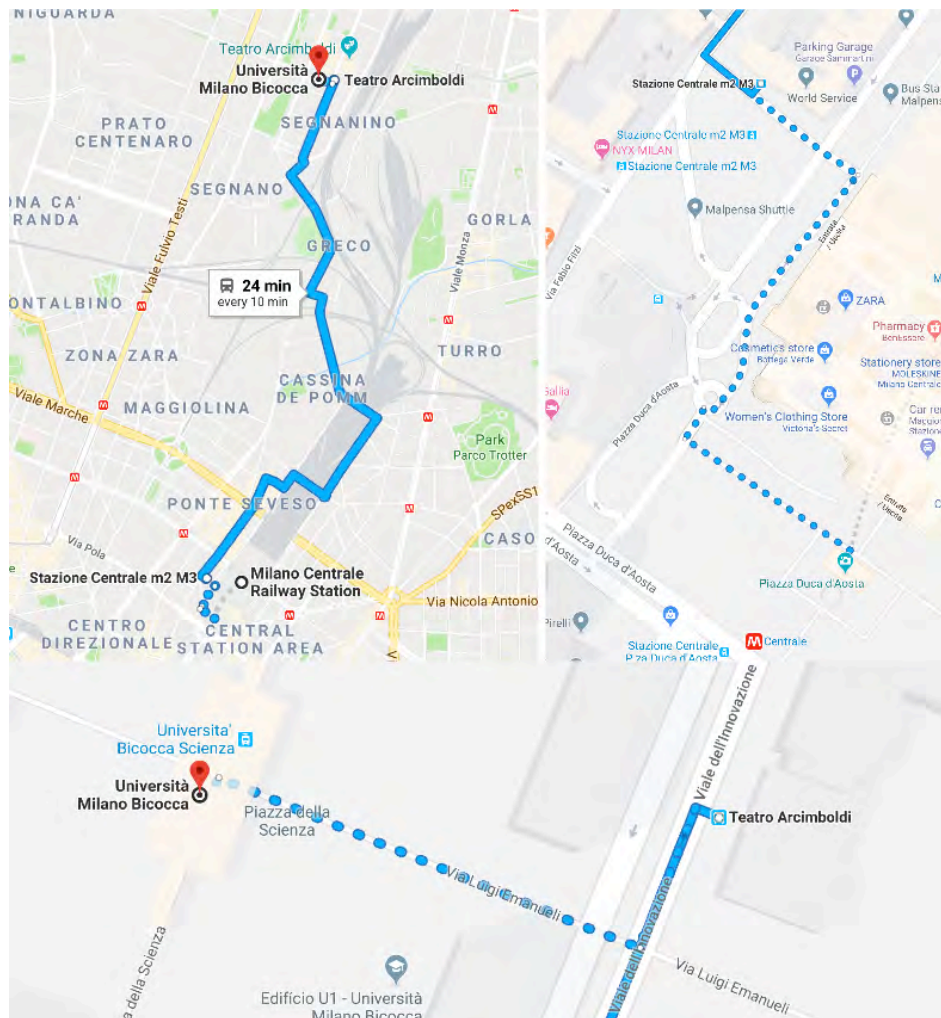
Aula Luisella Sironi (U4-08)
Edificio U4 Piano Interrato
 University of Milano-Bicocca
 Piazza delle Scienze 3
 20126 Milano
 Italy

How to Get There

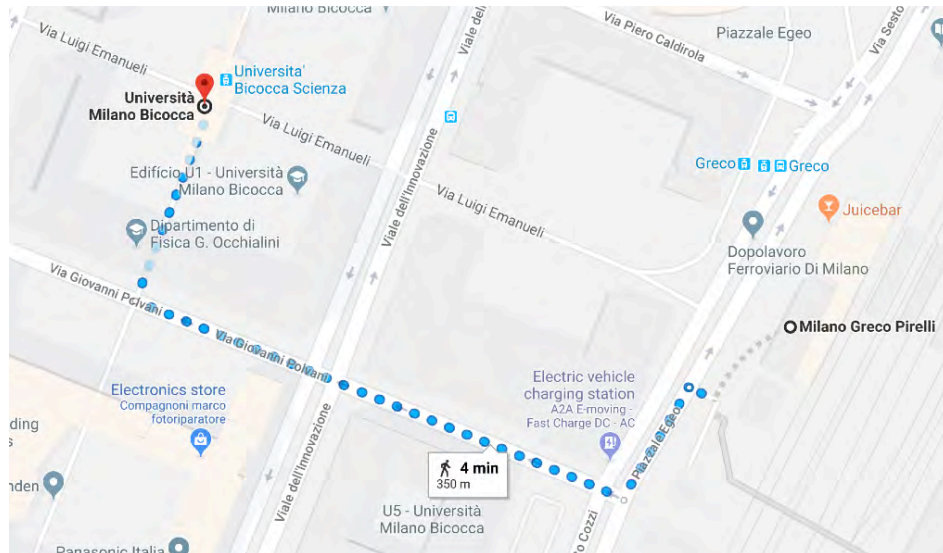
University of Milano-Bicocca can be easily reached by public transportation:

- By train: Milan Greco-Pirelli Train Station (300 m from the workshop venue)
- By metro: metro line 5 stop Bicocca (300 m from the workshop venue)
- By tram: tram line 7 stop Università Bicocca Scienza
- By bus: bus number 87 from Milan Central Train Station stop Teatro Arcimboldi
- By taxi

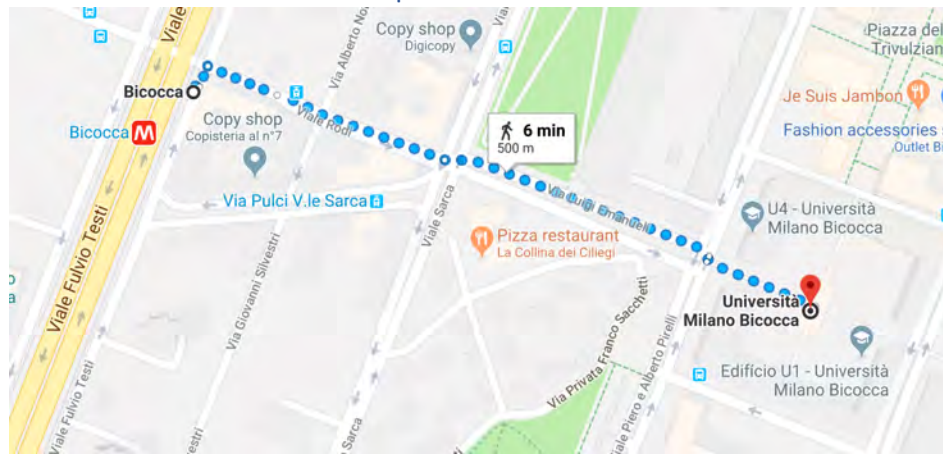
From Milan Central Train Station



From Milan Greco-Pirelli Train Station



From Metro Line 5 Stop Bicocca





AACD 2019 Social Program

Museum Social Event

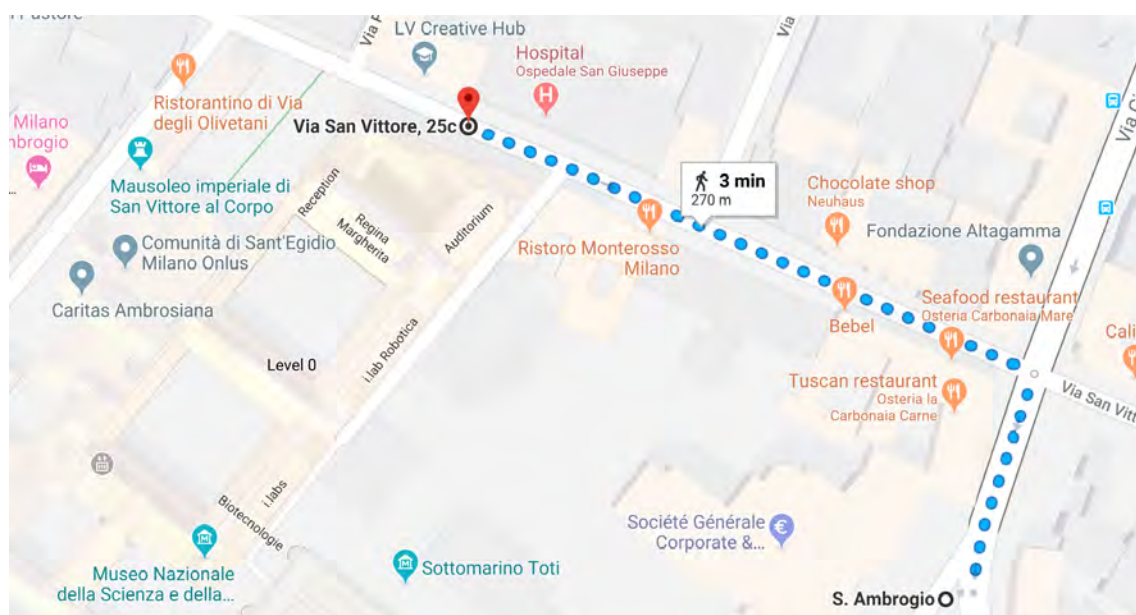
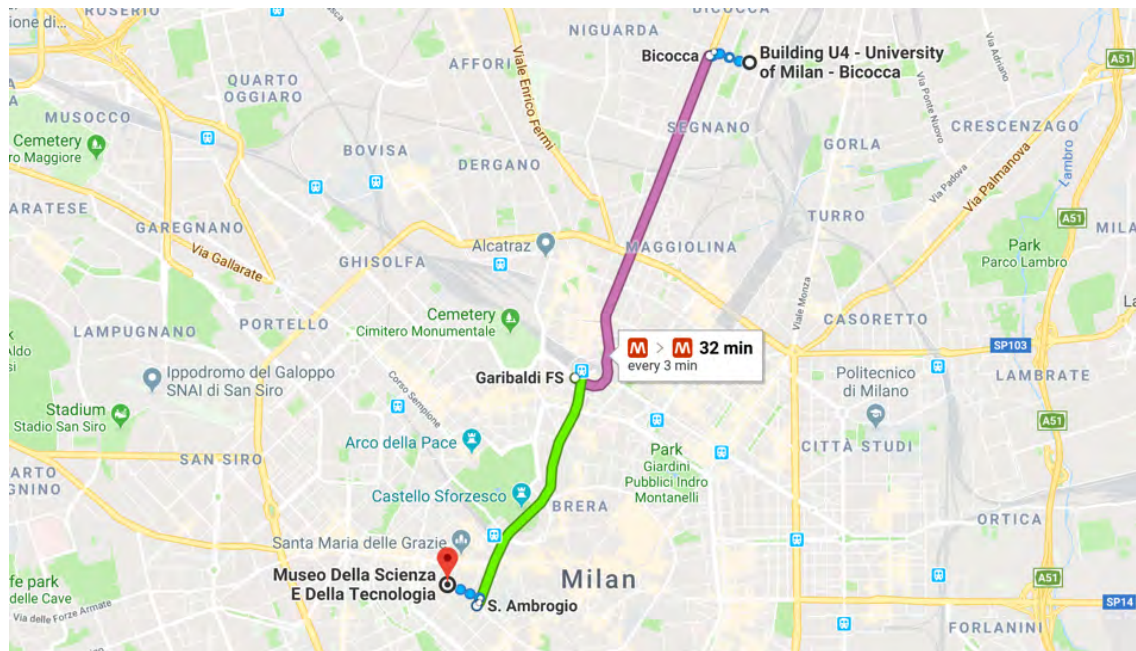
April 1st 2019 at 19:00

Location

Museo Nazionale Scienza e Tecnologia "Leonardo da Vinci" (National Science and Technology Museum), Via S. Vittore 21, Milano

How to Get There from AACD 2019 Venue

Metro Line 5 from Bicocca to Garibaldi FS and then Metro Line 2 from Garibaldi FS to S. Ambrogio



Gala Dinner

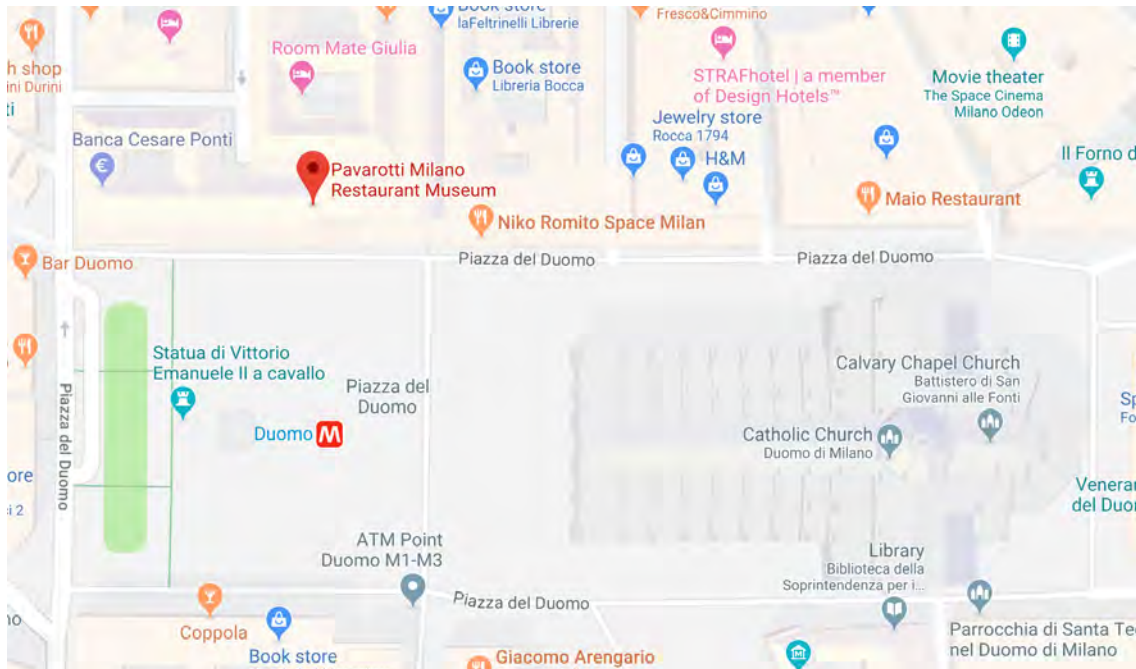
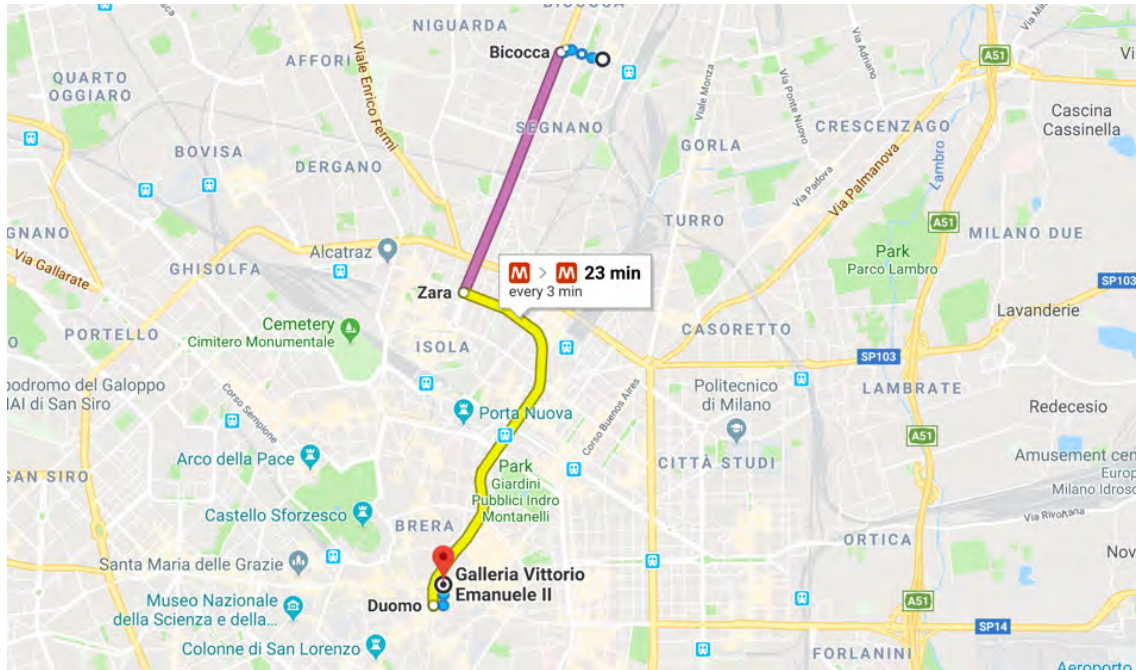
April 2nd 2019 at 19:30

Location

Pavarotti Milano Restaurant Museum, Galleria Vittorio Emanuele II, Fourth Floor, Piazza Duomo 21, Milano

How to Get There from AACD 2019 Venue

Metro Line 5 from Bicocca to Zara and then Metro Line 3 from Zara to Duomo





AACD 2019



Milan (Italy), April 1st-3rd, 2019

AACD 2019

XXVIII Workshop on Advances in Analogue Circuit and Design
Milan (Italy), April, 1st - 3rd, 2019

Final Program

April 1st 2019

- 8.00 **Registration**
- 8.40 **Opening by A. Baschirotto (AACD 2019 Chairman) and M. C. Messa (Rector of University of Milano-Bicocca)**
Next-Generation ADCs – Chairman: Kofi Makinwa (TU Delft – The Netherlands)
- 9.00 **G. Manganaro** (Analog Devices, USA), “Emerging ADCs”
- 9.45 **S. Li, J. Liu, W. Guo, N. Sun** (University of Texas at Austin, USA), “Noise-Shaping SAR ADCs”
- 10.30 **Coffee Break**
- 11.00 **P. Vogelmann, Y. Luo, M. A. Mokhtar, M. Ortmanns** (University of Ulm, Germany), “Efficient High-Resolution Nyquist ADCs”
- 11.45 **M. Bolatkale** (NXP Semiconductors, The Netherlands), “Continuous-Time ADCs for Automotive Applications”
- 12.30 **Lunch Break**
- 14.00 **S. Pavan** (IIT Madras, India), “Continuous-Time Delta-Sigma Converters with Finite-Impulse-Response (FIR) Feedback”
- 14.45 **B. Verbruggen, B. Vaz, C. Erdmann, D. Collins, J. Mcgrath, A. Boumaalif, E. Cullen, D. Walsh, A. Morgado, C. Mesadri, B. Long, R. Pathepuram, R. De La Torre, A. Manlapat, G. Karyotis, P. Lynch, P. Lim, D. Breathnach, B. Farley** (Xilinx, Ireland), “High-Speed ADCs for Wireless Base-Station”
- 15.30 **Coffee Break**
- 16.00 **Panel Discussion**
- 19.00 **Museum Social Event at Museo Nazionale Scienza e Tecnologia “Leonardo da Vinci”**

April 2nd 2019

High-Performance Power Management – Chairman: Pieter Harpe (TU Eindhoven – The Netherlands)

- 9.00 **N. Butzen, M. Steyaert** (KU Leuven, Belgium), “Advanced Multiphasing: Pushing the Limits of Fully Integrated Switched-Capacitor Converters”
- 9.45 **J. Wittmann, F. Cannillo, D. Ciomaga, M. Jefremow, F. Rigoni** (Dialog Semiconductor, Germany), “Highly-Efficient Power Management in Wearables and IoT Devices”
- 10.30 **Coffee Break**
- 11.00 **M. Kashmiri** (Bosch, USA), “Current Sensing Techniques: Principles and Readouts”
- 11.45 **C. M. Zetterling, S. Kargarrazi, M. Shakir** (KTH, Sweden), “Wide Bandgap Integrated Circuits for High Power Management in Extreme Environments”
- 12.30 **AACD 2020 Presentation**
- 12.40 **Lunch Break**
- 14.00 **J. Thoné, M. Wens** (MindCet, Belgium), “On the Limits of Driving Wide-Bandgap Transistors”
- 14.45 **S. Morini, D. Respigo, M. Arosio** (Infineon Technologies, Italy), “Challenges in Driving New Generations of Power Switch for Motor Drive: A dV/dt Self-Adjusting Architecture for Super-Junction Power Devices”
- 15.30 **Coffee Break**
- 16.00 **Panel Discussion**
- 19.30 **Gala Dinner at Pavarotti Milano Restaurant Museum**

April 3rd 2019

Technology Considerations for Advanced IC – Chairman: Andrea Baschirotto (University of Milano-Bicocca – Italy)

- 9.00 **B. Chandhoke** (GlobalFoundries, USA), “Silicon Technologies for the Next Age of Wireless Connectivity”
- 9.45 **M. Pagani, P. Rossi, R. Lombardi** (Huawei, Italy), “IC Technologies for mm-Wave Applications”
- 10.30 **Coffee Break**
- 11.00 **A. Onetti** (STMicroelectronics, Italy), “Accuracy: The Next Opportunity for MEMS”
- 11.45 **A. Laville, M. Pardoen, G. Close, M. Poertzart, D. Gerna** (Melexis, Switzerland), “Robustness, Reliability and Diagnostic Aspects in Sensors for Automotive Applications: The Magnetic Sensors Case”
- 12.30 **Lunch Break**
- 14.00 **U. Gatti, C. Calligaro** (RedCat Devices, Italy), “Rad-Hard Mixed-Signal IC Design, Theory and Implementation”
- 14.45 **M. De Matteis, C. Enz, S. Mattiazzo, A. Pipino, F. Resta, A. Baschirotto** (University of Milano-Bicocca, Italy), “1-GRad-TID Effects in 28-nm Device Study for Rad-Hard Analog Design”
- 15.30 **Panel Discussion**

AACD 2019 Organization

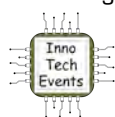
Scientific Committee

Andrea Baschirotto, University of Milano-Bicocca (Italy)
Pieter Harpe, TU Eindhoven (The Netherlands)
Kofi Makinwa, TU Delft (The Netherlands)

Organizing Committee

Andrea Baschirotto, University of Milano-Bicocca (Italy)
Piero Malcovati, University of Pavia (Italy)

Local Organizers



Official Sponsors

