

# ALESSIO BRUTTI

## CURRICULUM VITAE

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### RESEARCH

- (January 2021 – currently) Head of the Speech Technology Lab at Fondazione Bruno Kessler (Trento, Italy) [speechtek.fbk.eu](http://speechtek.fbk.eu)
- (April 2003 – December 2020) tenured researcher at Fondazione Bruno Kessler (Trento, Italy)  
Main research interests:
  - Automatic Speech Recognition
  - speech enhancement/robust ASR
  - continual learning/model adaptation/federated learning
  - speaker recognition/diarization
  - sound event detection
  - tinyML – AI@edge
  - audio-video processing for target tracking, identification and emotion recognitionFurther details: <https://speechtek.fbk.eu/alessio-brutti-research-interests/>
- (June 2015 – Sep. 2015) visiting researcher at Queen Mary University London:
  - “Audio visual person re-identification on wearable cameras”
- (June 2019 – July 2019) invited senior member at the JHU Jelinek Summer Workshop:
  - “Using Cooperative Ad-hoc Microphone Arrays for ASR”
- (June 2023 – July 2023) part-time member at the JHU Jelinek Summer Workshop:
  - “Finite state methods with modern neural Architectures for speech applications and beyond”
- Recent selected projects:
  - MARVEL: multimodal extreme scale data analytics for smart cities environments
  - SmarTerp: seamless management and automation of resources and tools for an efficient remote simultaneous interpreting
  - AGEVOLA: speech enhancement and speaker diarization for call centers
  - DIRHA: distant speech interfaces for home automation
  - SCENIC: self-configuring environment-aware intelligent acoustic sensing
  - DICIT: distant-talking interfaces for control of interactive TV
- PhD committee, thesis reviewer for:
  - Universita’ di Trento
  - Tampere University of Technology
  - Vrije University Brussels
  - Universidad Alcala’ de Hernanes
  - Università di Modena e Reggio Emilia
- Invited Lectures:
  - Corso Valore PA – Graduate School of Management – Politecnico di Milano (04/05/2023)
  - Summer school on “Deep Learning for Autonomous Systems and Smart Cities”,

University of Aarhus (25/5/2023)

- Mentor Talk – Sound of AI (16/06/2023)

## ACCADEMICS

- (February 2007 – currently) Libera Università di Bolzano:
  - Teacher: “Speech Technology Lab” (Master in computational linguistics)
  - Teaching assistant: “Big data and Blockchain” (Economics)
  - Teaching assistant: “Information Systems and Data Management/Informatica” (Economics)
- (February 2014 – September 2014) Università degli studi di Trento: teaching assistant for the course “Audio Signal Processing” - Department of Information Engineering and Computer Science.
- (October 2004 - February 2005) Università degli Studi di Trento: tutoring activity for working student for the course “Algorithms and Data Structures” of the Computer Science Bachelor Degree.
- 2023-2024 PhD Committee Department of Psychology and Cognitive Science UniTN

## OTHER WORKING EXPERIENCE

- (February 2002 – April 2003) Società Trasporto Telematico S.p.A. in Verona: **technical specialist** on private phone networks (VoIP and Call Center) and Local Area Networks (WLAN)

## EDUCATION

- (2003 –2007) Ph.D. in Information and Communication Technologies  
Università degli Studi di Trento, DIT-ICT school.
- (1996 - 2001) M.Sc. in Telecommunication Engineering
- Università degli Studi di Padova.

## PUBLICATIONS

<https://scholar.google.com/citations?user=dS643iQAAAAJ&hl=en>