BONTEMPO GIANPAOLO

PhD student

SUMMARY :

As a dedicated researcher on deep vision, my work focuses on two crucial areas: Weakly object detection and **Continual Learning** for high-level concept mapping and consistent reasoning.

CONTACTS

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AWARDS

2023, MICCAI Student Author Registration (**STAR**) award

EDUCATION

University of Pisa
2021 – Present (third year)
PhD in national artificial intelligence

Politecnico Torino
2017 - 2020
Master degree: 108/110

PROFESSIONAL EXPERIENCES

IIT, Research Fellow
2020 – 2021
Tour guide robot: Deployment of behaviors trees on a robotic system for a museum tour
Alfa Medica, CEO
2015 – 2020

PUBBLICATIONS

1. **G. Bontempo**, A. Porrello, F. Bolelli, S. Calderara, E. Ficarra. A Graph-Based Multi-Scale Approach with Knowledge Distillation for WSI Classification **(TMI 2023)**
2. **G. Bontempo**, A. Porrello, F. Bolelli, S. Calderara, E. Ficarra. "DAS-MIL:Distilling Across Scales for MIL Classification of Histological WSIs." (**MICCAI** 2023) (oral presentation)
3. E.Marconato*, **G.Bontempo***, E.Ficarra, S.Calderara, A.Passerini, S.Teso. "Neuro Symbolic Continual Learning: Knowledge, Reasoning and Concept Rehearsal" (**ICML** 2023)
4. **G.Bontempo**, N. Bartolini, M.Lovino,F.Bolelli,E.Ficarra. "Enhancing PFI prediction with GDS-ML: A graph-based dual stream MIL approach (**ICIAP** 2023)
5. **G.Bontempo**, L.Lumetti,A.Porrello,F.Bolelli,E.Ficarra. "Buffer-MIL: Robust Multi Instance Learning with a Buffer Based Approach (**ICIAP** 2023)
6. E.Marconato,**G.Bontempo**,S.Teso,E.Ficarra,S.Calderara,A. Passerini. "Catastrophic Forgetting in Continual Concept Bottlenect Models". (**ICIAP** 2022)
7. F.Citarrella, **G.Bontempo**, M.Lovino, E.Ficarra. "FusionFlow: an integrated system workflow for gene fusion detection in genomic samples" (**ADBIS** 2022)
8. M.Lovino,**G.Bontempo**,G. Cirrincione, E. Ficarra. " Multi-omics classification on kidney samples exploiting uncertainty-aware models. (*ICIC 2020*)