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# Call for Papers

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1<sup>st</sup> National Conference on Artificial Intelligence-enabled Video Coding  
(IACV 2020)

May 12<sup>th</sup> 2020, Turin, Italy

[http://www.crit.raai.it/CritPortal/?evento=iacv\\_2020](http://www.crit.raai.it/CritPortal/?evento=iacv_2020)



“Artificial Intelligence-enabled Video Coding” is a workshop organized by RAI and TIM under the auspices of UNI and UNINFO and kindly hosted by RAI, Radio Televisione Italiana in Turin, Italy. The aim of the workshop is to explore how AI is changing the digital video landscape and where research organizations and media industries see potential to exploit innovative solutions in the field of AI-empowered video coding technologies.

The workshop will examine how AI can improve encoding, distribution, analysis and quality assessment of digital video information through the presentation of innovative studies, techniques and platforms.

The IACV 2020 program committee invites members of the Academic Community, Researchers and Industry representatives to contribute on all the above mentioned aspects, but specifically on the following topics:

- Innovative AI-based techniques and algorithms to improve the video encoding efficiency
- State of the art and research results about autoencoders architectures for video coding
- Usage of AI techniques to improve bitrate selection for adaptive bitrate streaming
- Content Adaptive and Context Aware encoding techniques for defining the optimal encoding bitrate
- Video quality assessment through the use of AI for reference and no-reference scenarios

## Important dates:

- Abstracts: Due by April 10th
- Final agenda based on abstract selection: April 20th
- Final presentations (25 minutes + 5 Q&A): Due by May 7th
- Event date: Tuesday, May 12th (9:30am – 6:00pm) @RAI\_Turin

For further information, please contact:

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- Roberto Iacoviello ([roberto.iacoviello@rai.it](mailto:roberto.iacoviello@rai.it))

Submit your contributions, including the title of the presentation, 1 paragraph abstract (250 words), name of the company/university and name of the speaker, using the EasyChair platform:

<https://easychair.org/conferences/?conf=iacv1>

It is recommended to use the presentation template available at:

[http://www.crit.raai.it/CritPortal/?evento=iacv\\_2020](http://www.crit.raai.it/CritPortal/?evento=iacv_2020)

Being an event organized to engage the Italian communities of Video Researchers, Engineers, and Developers, presentations could be written either in English or Italian, while the speech should preferably be given in Italian.