



### Special Track Session 3

Physics Committee

**Sunday, October 20, 15:00 - 16:30**

#### Session Title

**Debate: Generative AI for Nuclear Medicine: Blessing or Curse?**

#### Moderators

**Laszlo Papp** (Vienna, Austria)

**Martina Sollini** (Milano, Italy)

**Fereshteh Yousefirizi** (Vancouver, Canada): Point of View: Blessing

**Jaouen Vincent** (Brest, France): Point of View: Curse

#### Educational Objectives

1. Learn about generative AI techniques.
2. Discover the potential uses of these techniques in NM applications.
3. Understand the benefits and limitations (and misuses and risks) of generative AI.

#### Summary

Generative techniques in AI allow impressive results for producing automatically images and text content. These power tools can generate very realistic images and text. Relying on these techniques for malevolent uses (propaganda, fake news, fraud...) is already a real issue in our lives today. These tools could have potent impact for specific applications in NM. But are these benefits worth the associated limitations or risks? The two speakers of this debate will present their respective views, one for (generative AI is a blessing for NM), one against (generative AI is a curse for NM).

#### Key Words

Deep learning; generative techniques (images, text); debate