

### Speaker:

Dr. Steve Engels, Professor (Teaching Stream),  
Department of Computer Science, University of Toronto  
<https://www.cs.utoronto.ca/~sengels>

### Topics:

- **AI for Music**
  - Markov Models
  - AI music tools (Suno, Udio, etc)
- **AI for Language**
  - Large Language Models (LLMs) – ChatGPT, Gemini, Llama, etc
  - Transformers
- **AI for Art**
  - Stable diffusion
  - AI art tools (Gemini, DALL-E, Flux, Ideogram, Mystic, Phoenix, Midjourney, Haiper)
- **AI for Interactive Media**
  - Wave function collapse, Genie 2
- **AI for Cinema**
  - Motion capture, facial recognition, deepfakes, generated video
- **AI and Culture**
  - Impact of AI on music, literature, entertainment, education
- **Takeaways**
  - Reflections on perception, communication, sustainability, ethics

### Suggested Readings:

- A Complete Guide to AI Music Generators. AudioCipher.com, <https://www.audiocipher.com/post/ai-music-app>
- Top Large Language Models (LLMs): A Comprehensive Ranking of AI Giants Across 13 Metrics. MarkTechPost, <https://www.marktechpost.com/2024/09/08/top-large-language-models-llms-a-comprehensive-ranking-of-ai-giants-across-13-metrics-including-multitask-reasoning-coding-math-latency-zero-shot-and-few-shot-learning-and-many-more/>
- The Best AI Image Generators of 2025, Tom's Guide, <https://www.tomsguide.com/ai/ai-image-video/i-put-7-leading-ai-image-models-to-the-test-with-the-same-prompt-heres-the-winner>
- No one's ready for this, The Verge, <https://www.theverge.com/2024/8/22/24225972/ai-photo-era-what-is-reality-google-pixel-9>
- The Godfather in Conversation: Why Geoffrey Hinton is worried about the future of AI: <https://www.youtube.com/watch?v=-9cW4Gcn5WY>