CIRRELT

# Séminaire organisé par le Comité étudiant CIRRELT-UL


## Pr. Fayez Boctor

Département d'opérations et systèmes de décision
Faculté des sciences de l'administration, Université Laval




## «Generative AI Transforming University Education – For Better or Worse?»


**Abstract:** Generative Artificial Intelligence (AI) is certainly transforming university education. Tools such as ChatGPT, Gemini, Claude can generate essays and computer codes, explain concepts, solve problems, summarize articles, review literature, translate languages, and provide personalized learning assistance.

On the positive side, generative AI can make education more accessible and more personalized. Generative AI can also encourage new ways of learning. Instead of simply searching for an answer, students can interact with AI to compare alternative solutions, challenge assumptions, or explore different perspectives on a topic. Used appropriately, these capabilities can save time and allow both students and professors to focus on a higher level of learning.

However, these benefits are accompanied by significant risks. One of the most important concerns is academic integrity and students may use generative AI to get answers without understanding the material. Another concern is the reliability of generative AI systems as they can produce inaccurate statements. There are also concerns about perpetuating bias, intellectual property, and unequal access to advanced AI tools.

The impact of AI on professors and universities is not limited to these issues. Professors may need to redesign assessments so that they evaluate reasoning, originality, critical thinking, and student's ability to defend their work rather than simple production of answers and solutions.

Ultimately, generative AI is neither inherently good nor inherently bad for university education. Its impact will depend largely on how it is integrated into the educational process. The central challenge for universities is therefore to teach students to use it responsibly, critically, and ethically.


**Biography:** Fayez Boctor is a Full Professor in the Department Operations et Systems de Decision at l'Université Laval and a founding member of the Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation (CIRRELT). He previously held professorial positions at Egypt's National Institute of Planning and Aix-Marseille University and served as a visiting professor at the universities of Paris I, Paris II, Geneva, La Réunion, and Tunis. Professor Boctor is an engineer and holds a B.Sc. in Production Engineering, an M.A. in Planning Techniques, an M.Sc. in Industrial Engineering, a Diploma of Advanced Studies (D.E.A.), a doctorate (Ph. D.), and doctorat d'État (D. Sc.) in Management Science. His areas of expertise include the design and management of production and logistics systems, operations planning and scheduling, and transportation optimization.

VENDREDI

6 novembre 2026
11 h

Local 1307
Pavillon Palasis-Prince
Université Laval

This talk will be in English

Ouvert à tous

*Café et viennoiseries*

**Organisateur:**
***Comité étudiant CIRRELT-UL***

Université Laval · McGill · Concordia University · ÉTS · UQÀM · HEC Montréal · Polytechnique Montréal · Université de Montréal