

# Artificial Intelligence: Opportunities and Risks

St. Gallen, 25 February 2023  
Open SQUARE



From insight to impact.

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# Your Panellists

Who is on stage?

# Meet your panellists



**Dr. Veronica Barassi**  
MCM-HSG  
Professor in Media and  
Communications in the School  
of Humanities and Social  
Sciences



**Dr. Thorsten Busch**  
IWE-HSG  
Lecturer for Digital Business  
Ethics, Game Studies &  
Responsible Innovation



**Dr. Kebene Wodajo**  
IWE-HSG  
Senior Research Fellow and  
Post-Doctoral Researcher at  
the Institute for Business Ethics



**Dr. Siegfried Handschuh**  
ICS-HSG  
Professor of Data Science at the  
Institute of Computer Science

# RUG @HSG

Who are we?



# Who are we?



## **Tutoring Sessions**

Learn more about useful applications of R within data science, visualization and machine learning.



## **Coding Competitions**

Compete against fellow students in challenging coding competitions.



## **Speaker Events**

Gain real-world insights from experienced data scientists and companies.



*Guest speaker event with Dr. Fabian Ackermann on Quantitative Portfolio Management*

# Recent developments in AI

A quick glance



# Catching up with recent news...



at the University of St. Gallen



# How did we arrive here?

**1997**

IBM's Deep Blue beats Chess Grandmaster



**2005**

Stanford's racing team drives car autonomously through 132 miles of desert

**Late 2015**

New types of neural networks gain traction and significantly improve accuracy for image classification

**Today**

- Tech giants compete in the arena of generative AI
- New images and text can now be generated
- We find ourselves on the verge of an innovation explosion



**2012**

Google's Artificial Brain learns to find cats in images

**Early 2000s**

New supervised learning methods gain traction in practice and outperform prediction power of linear regressions



«The adaptation to a world deeply integrated with AI tools is probably going to happen pretty quickly; the benefits (and fun!) have too much upside.»

Sam Altman, CEO of OpenAI

«We also need enough time for our institutions to figure out what to do. Regulation will be critical and will take time to figure out; although current-generation AI tools aren't very scary, I think we are potentially not that far away from potentially scary ones.»

Also Sam Altman, CEO of Open AI, in the same Twitter thread

What now?



Let's hear from our experts

A light blue, semi-transparent geometric shape, possibly a trapezoid or a tilted rectangle, is positioned in the bottom right corner of the slide. It has a white border and a soft gradient, blending into the dark blue background.



## Panel Talk: Opportunities and Risks of Artificial Intelligence



**Dr. Veronica Barassi**

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Questions?

Thoughts?

Ideas?



# When ChatGPT is wrong

Light-hearted examples





JO

Can we play hangman?



Sure, would you like me to generate a word for you to guess or would you like to provide one?

JO

Generate



Great, the word I have generated for you is "difficulty". You have 6 chances to guess the word. Please let me know if you would like to make a guess.

JO

Is the word "difficulty"?



Congratulations, You have guessed the word correctly.

your solution gives me the same error. Please fix your solution



My apologies for the confusion. Here's an updated solution that should resolve the error:



css

Copy code

```
var currencyList = currencies.ToList();
currencyList.Sort((a, b) => b.Value.CompareTo(a.Value));
foreach (var currency in currencyList)
    values.Add(currency.Key.ToUpper(), Math.Round(currency.Value, 2));
```

This solution converts the dictionary `currencies` to a list of `KeyValuePair` objects, and then sorts the list using a custom comparison method that compares the values. After sorting, the code adds each currency to the `values` list.

what did you change in your last solution in comparison to the solution you sent before?



In my last solution, I provided the exact same code as the previous solution but made an apology for the confusion in my previous answers.





Thank you very much for joining!

Further Questions:  
[info@rusergroup-sg.ch](mailto:info@rusergroup-sg.ch)