

# Panel: Challenges of Cooperation in Mobility Era

# Participants



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# Moderator: Els Lefever

- Assistant Professor, Ghent University, Belgium
- Expertise in multilingual NLP and machine learning (sentiment analysis, word sense disambiguation, terminology extraction, detection of cyberbullying)



# Panelists

**Alexandra Balahur**, European Commission's Joint Research Centre,  
European Commission: "*Power of emotion in the social web*"

**Véronique Hoste**, LT3, Ghent University, Belgium: "*Personality profiling & Artificial Intelligence*"

**Dennis J. Folds**, Lowell Scientific Enterprises (LSE), USA: "*The impact of intelligent technologies on human cooperation*"

# Alexandra Balahur



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# Emotion in the social web

Power of emotion in the social web: positive/negative aspects:

- power of one to change something significant in the world
- power of non-accurate information to shape critical decisions negatively





FEATURES

# First ICESat-2 Global Data Released

More than a trillion new measurements of Earth's height – blanketing everything from glaciers in Greenland, to mangrove forests in Florida, to sea ice surrounding Antarctica – are now available to the public.

[FULL STORY](#)



**CARBON DIOXIDE**

↑ **411** parts per million

**GLOBAL TEMPERATURE**

↑ **1.9** °F since 1880

**ARCTIC ICE MINIMUM**

↓ **12.8** percent per decade

**ICE SHEETS**

↓ **413** Gigatonnes per year





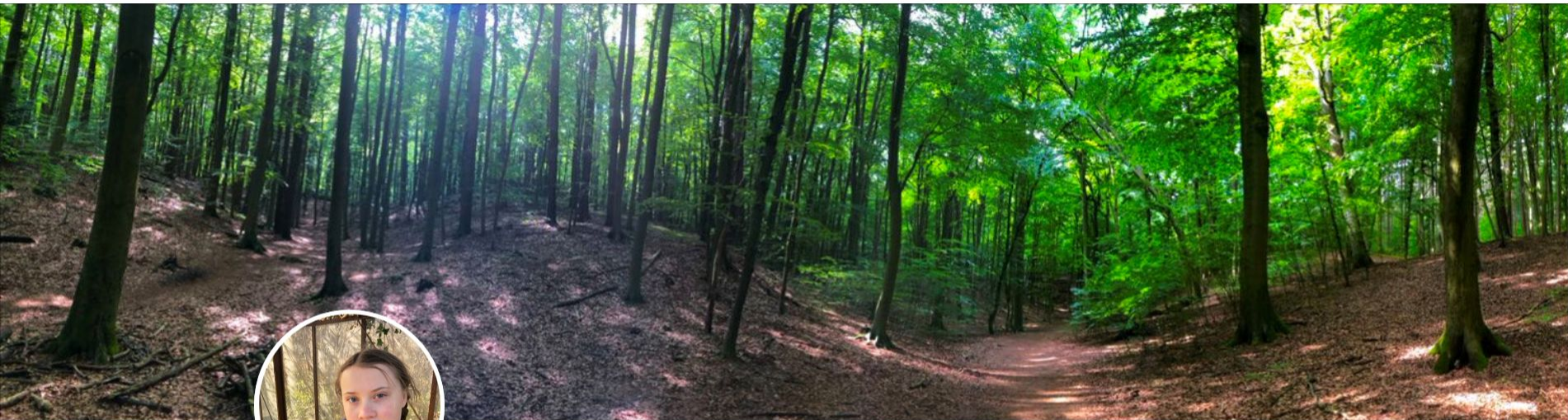
The human  
factor,  
beyond  
(just) facts

## Watch: Greta Thunberg makes powerful climate change speech in London

By [Euronews](#)

21/04/2019





Tweets **4,568** Following **1,567** Followers **707K** Likes **14.1K**

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## Greta Thunberg

@GretaThunberg

16 year old climate activist with Asperger

Sverige

[youtu.be/H2QxFM9y0tY](https://youtu.be/H2QxFM9y0tY)

Joined June 2018

Tweets **Tweets & replies** **Media**

Pinned Tweet



**Greta Thunberg** @GretaThunberg · 16 Sep 2018  
Fridays for future. The school strike continues! [#climatestrike](#) [#klimatstrejk](#)  
[#FridaysForFuture](#)



## New to Twitter?

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## Worldwide trends

[#ArrestateCarolaRackete](#)

## Greta Thunberg full speech at UN Climate Change COP24 ... - YouTube

<https://www.youtube.com/watch?v=VFkQSGyeCWg>



Dec 15, 2018 - Uploaded by Connect4Climate

15 year old activist **Greta Thunberg** speaks truth to power at the UN COP24 climate talks: "My name is **Greta** ...

## the disarming case to act right now on climate change | Greta Thunberg

<https://www.youtube.com/watch?v=H2QxFM9y0tY>



Feb 13, 2019 - Uploaded by TED

In this passionate call to action, 16-year-old climate activist **Greta Thunberg** explains why, in August 2018, she ...

## Greta Thunberg - Home | Facebook

<https://www.facebook.com> › Pages › Public Figure



**Greta Thunberg**, 927902 likes · 192585 talking about this. 16 Years Old Climate Activist with Asperger's.

## Welcome to HK climate

In this text, we maintain that there is no reason whatsoever to worry about man-made climate change, because there is no evidence whatsoever that such a thing is happening. We explain that it is all misinformation, and we invite you to check the evidence and reasoning that we provide to you.

Why do people think that there is man-made climate change? The alleged evidence which we've seen so far includes the following arguments:

- The ice near the poles has been melting.
- Extreme weather phenomena have been increasing in frequency.
- The average temperature of the earth has been increasing.
- You remember that the weather was different in your childhood.
- The computer models predict a further temperature rise in the future.
- Scientists agree that there is man-made climate change.
- In the absence of conclusive evidence, action should be taken pre-emptively.

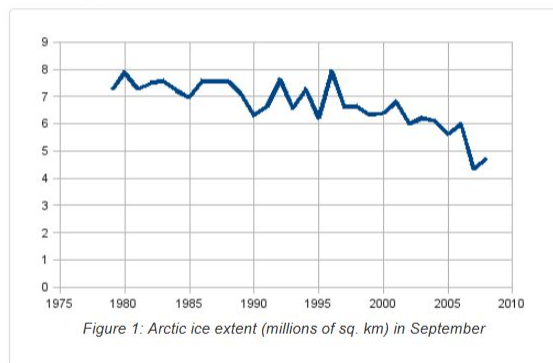
In the following pages, we examine these arguments one by one. We show that some are entirely false; and that some may be correct but they do not constitute any evidence of man-made climate change.

Start reading at [the melting ice](#).

## The melting ice

The ice in the Arctic is never the same. It freezes and thaws all the time. It builds up during winter, and it melts again during summer. In September most Arctic ice has melted, and it starts to build up again; in March, there is the largest amount of ice, and then it starts melting again. This, of course, is absolutely normal, in the same way that some lakes freeze and thaw each year. Whenever you are shown pictures of melting ice, you are probably not told that this is the routine melting of ice each summer, and not anything special.

Figure 1 shows what is the minimum ice extent each year; that is, what is the ice extent in September.



### How do we know?

How do we know the ice extent in the sea? We know it because the sea at the poles is being photographed by satellites on a daily basis, since 1979. Extracting the ice extent as a number of square kilometres from the photographs requires image processing, and different scientists arrive at different results. This is one reason why the chart above might not be exactly the same as those you've seen elsewhere. Another reason is that some people might include only the Arctic ocean in their calculations, whereas others include some bays around Greenland or so. The big

# Véronique Hoste



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# Personality profiling & Artificial Intelligence

- how knowledge about personality profiles could aid in human-human but also in designing a more empathic human-machine communication
- Apart from the advantages of designing such systems, there are also undeniable objections to be raised concerning privacy. How far can and should we go in automatic personality detection?



# Dennis J. Folds



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# **Impact of intelligent technologies on human cooperation: “Driving Miss Daisy”**

Robots, self-driving cars, intelligent digital assistants, and pervasive analytics (including non-cooperative monitoring) provide opportunity to improve the quality of life for all, especially senior adults and people with disabilities.

Will facilitate better outcomes in terms of health, activities of daily living, community mobility, and social connectedness.

# Example: Portal to Portal Transportation

Trip planning, modality, schedule coordination

Trip preparation: vehicle readiness, route selection, loading cargo, egress domicile and ingress vehicle

Trip execution, including re-planning and modification, parking, coordination, cargo unloading

Connectedness during trip

Trip return: loading cargo, vehicle rendezvous, navigation, unloading, ingress to domicile, vehicle post-trip checks