



ROYAL SWEDISH ACADEMY OF ENGINEERING SCIENCES



CAETS 2019 – overview (preliminary)

June 24 – 28, 2019 in Stockholm, Sweden

- Monday, June 24
 - CAETS Exec Committee meeting
 - CAETS Board of Directors meeting
- Tuesday, June 25
 - Conference Day 1, incl dinner
- Wednesday, June 26
 - Conference Day 2
- Thursday, June 27
 - CAETS Council meeting
- Friday, June 28
 - Technical visit(s)
- (CAETS meeting to take place in IVAs conference center)



CAETS 2019 – Conference outline

- 4 – 6 topics
- Parallell sessions (except for invited speakers presentations)
- Venue takes approx 400; in city center 5-10 minutes' walk from IVA
- Probably some other side-activities
 - Exhibition
 - Young engineers
 - ...
- A programme committee with other CAETS academies will be set up



CAETS

ENGINEERING A BETTER WORLD

... the Next 100 Years !!



CAETS

ENGINEERING A BETTER WORLD

... the Next 100 Years !!

[the heading is alluding to the celebration of IVAs 100th birthday and at the same time allowing a broad spectrum of topics being addressed]



CAETS

ENGINEERING A BETTER WORLD

... the Next 100 Years !!

- Creative Chaos
- Digital Dawn
- Inclusive Infrastructure
- Effective Education

optional

- Elusive Energy
- Roaring Robotics



Creative Chaos

Within this sub-heading we intend to illuminate how the engineering sciences could help avoiding, in a 'chaotic world', the rise of a divided world – a disharmoniuos world in a state of disequilibrium; technologically, ecologically, as well as socially.

Possible topics within this sub-heading:

- 'Post-truth' tasks for Academies
- How Academies can fully embrace UNs *Sustainable Development Goals*
- Next generation entrepreneurs
- Water shortage
- Climate change
- Securing cyberspace



Digital dawn

This sub-heading alludes to how engineering sciences by harnessing digital technology can generate new knowledge, higher growth, as well as a better world for everyone.

Possible topics within this sub-heading:

- Boosting health information
- Securing cyberspace
- Smart packaging
- Engineering large research infrastructures
- Qubits and graphene based electronics



Inclusive Infrastructure

This sub-heading addresses the issue of how the engineering sciences could build more attractive and sustainable infrastructures.

- Possible topics within this sub-heading:
 - Affordable living
 - Mobility
 - Transportation
 - Smart cities
 - Global initiatives: e.g. *One Belt One Road*



Effective Education

This sub-heading would highlight the importance of (life long) education and how important it is to develop efficient educational tools that address the existing diversity of needs.

- Possible topics within this sub-heading:
 - Personalized learning
 - Educating immigrants
 - Life-long learning
 - The digital divide



How to proceed

- Approval from CAETSs Board of Directors [Nov 2017]
- Setting up an *Advisory Board* (4-6 academies) [Nov 2017]
- Fine-tuning the topics, identify and invite speakers [Dec 2017 -
[-April 2018]
- Final Programme [May 2018]
- Call for papers [June 2018]



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