



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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