



KTH MEKANIK



DIP. DI INGEGNERIA INDUSTRIALE

## SHORT COURSE

### Data driven methods in engineering (part II)

*Prof. Ricardo Vinuesa, (Royal Institute of Technology, Stockholm)*



<https://www.vinuesalab.com/>

November 29<sup>th</sup> : 10 a.m. - 12 a.m.

December 1<sup>st</sup> : 1 p.m. - 3 p.m.

December 6<sup>th</sup> : 10 a.m. - 12 a.m.

December 9<sup>th</sup> : 10 a.m. - 12 a.m.

December 12<sup>th</sup> : 1 p.m. - 3 p.m.

#### *Program:*

- 1 [Projection-based reduced-order models](#)
- 2 [Implementation of modal decompositions](#)
- 3 [Extension of deep-learning methods](#)
- 4 [Implementation of MLPs and RNNs](#)
- 5 [Implementation of CNNs, AEs and other architectures](#)

*The participation is free. You are welcome !!*