



**ESTIMATION CHALLENGE**

## Software Estimation Challenge - 2022



### Call for participation

Estimating software projects is intellectually stimulating and challenging and worth winning an International Award!

The aim of this Challenge is to provide a rigorous interactive session in software effort estimation presentations by the participating teams on a realistic case study, with the added benefits of cross learning from teams and insights from professional experts panel.

**Challenge is open to:**

**Students:**

- a) Case Study with detailed and constrained set of requirements will be provided, on the early morning of the Estimation Challenge Day.
- b) Students will have to size and estimate through a regression analysis using the historical data provided relevant to the case study within a half-day time bound deadline.
- c) Submit findings in a Powerpoint format to the Senior Review Panel.

**more information:**

Alain Abran  
alain.Abran@etsmtl.ca

Saturday, April 9 , 2022 (9:00 a.m. to 12:00 p.m. Montreal time)

**Awards:**

- 1st place 500 Euros
- 2nd place 300 Euros
- 3rd place 200 Euros

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# Students Challenge Overview

# Saturday April 9<sup>th</sup> 2022, 9:00 to 12:00 hrs

(Montreal-New-York time zone)



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## Challenge rewards:

- ✓ 1<sup>st</sup> prize: 500 Euros
- ✓ 2<sup>nd</sup> prize: 300 Euros
- ✓ 3<sup>rd</sup> prize: 200 Euros

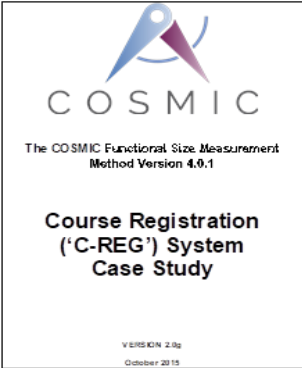
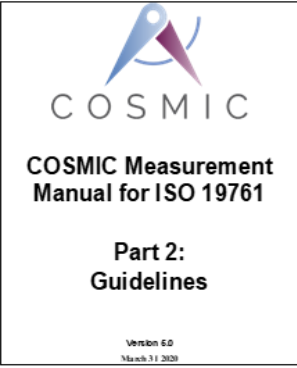
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# Challenge Inputs

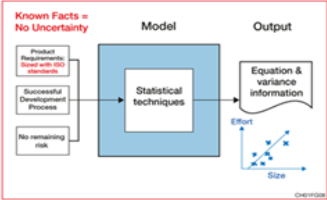
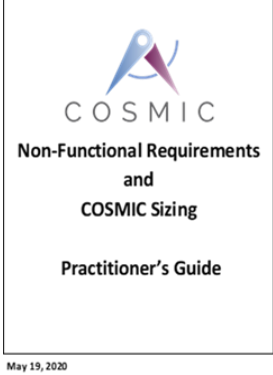
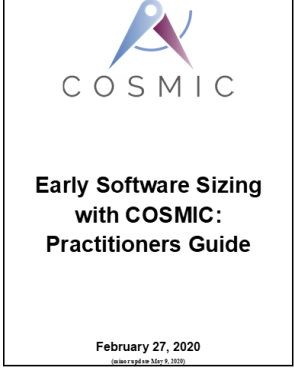


1. A sub-set of detailed functional requirements.
2. A sub-set of functional requirements at unspecified levels of completeness.
3. Some non-functional requirements.
4. Description of a development environment.
5. A data set with historical data on development productivity.

# Useful resources



Chapters 5, 6 & 9



# Challenge tasks



Using the Requirements document the teams have to:

1. Size with COSMIC the detailed functional requirements.
2. Approximate the size of the functional requirements.
3. Size the non-functional requirements allocated to software functions.
4. Develop an estimation model from the historical data.
5. Estimate the effort to develop both functional & non-functional requirements.



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# Questions?

## Contact:

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