

## #162194: Pricing systems with complex code: a case study with APF and COSMIC

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**Abstract** The correct pricing of software, which allows the adequate remuneration of the effort undertaken in the development, is a task that, to be carried out successfully, needs to employ techniques that can cover all the nuances of development. This work makes a comparison between Function Point Analysis (FPA) and Common Software Measurement International Consortium (COSMIC) - methods most frequently used today, through a case study with a system that has a simple user interface and few visual elements, but with complex code. Systems of this nature tend to have low APF counts. The system was counted using both techniques. From measurements, the prices of each software were calculated and compared with each other,

### Topics

Software Project Management

**conference** CBSOft 2016 - Industry Track

**track** Regular Track

### Category

**Status** accepted

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### Paper Options

## Reviews

**Review 1 - Marllos Paiva Prado (/jems2/index.php?r=person/view&id=92524)**



**Is the subject relevant? tpc :**  
4) Optimal relevance

**Is a good presentation quality expected? tpc :**  
5) There is potential for an "excellent" presentation

**Does the speaker(s) demonstrate presentation experience? tpc :**  
4) Experience for proper presentation

**How confident are you in your assessment? tpc :**  
2) Moderately familiar (I have average knowledge in the area of the proposal)

**Comments for authors: Provide your comments, indicating the points that convinced you to accept or reject the proposal. Provide constructive criticism on how to improve the proposal or make a successful presentation.:**

The presentation proposes to show the results of a study carried out to price a highly complex software, showing the advantages and disadvantages of the APF and COSMIC techniques in this process.

The work is well structured and the only structural problem I saw was the repetition of an excerpt from the text in session 1 (second and third paragraph)

The presentation proposal is clearly defined and I believe that the topic is of great relevance and contribution both for the industry (as an exchange of experience) and for academia. For the second specific audience, I see a lot of relevance mainly from the teaching point of view. If speakers can, for example, make available in an online repository the materials and results obtained in the measurements using each of the techniques, this resource will be of great value in the classroom, where sometimes students have great difficulty in absorbing the theory without a concrete example applied in practice. Even if it is not possible to make all the generated artifacts available (or make them available as they are) it would be worth it if they were customized or adapted for this purpose.

I believe that the lecture has the potential to attract a large number of people and in case of acceptance, I recommend that the speakers observe the aforementioned recommendation.

**Other Considerations (For TPC only): Provide any other considerations that will only be visible to program committee members.:**

## TPC Discussion



Server time: Sep 07, 2022 - 09:50 AM (BRT)