

Introdução à Pesquisa em Informática

Nivelamento



PUC Minas

Instituto de Ciências Exatas
e Informática

Prof. Lesandro Ponciano

Departamento de Engenharia de Software
e Sistemas de Informação (DES)

Objetivos da Aula

- Revisar o uso de bases de dados científicas
- Discutir produtividade de pesquisa
 - Índices bibliométricos
 - Vida pregressa de cientistas
- Nivelamento quanto ao uso de software de gestão de bibliografia

Pesquisa Científica

1. É o mesmo que busca ou procura. Buscar compreender a forma como se processam os fenômenos **observáveis**, **descrevendo sua estrutura e funcionamento**.
2. Procedimento racional e sistemático que tem como objetivo proporcionar **respostas a problemas** que são propostos.
3. Desenvolve-se através de um processo constituído de **várias fases**, desde a formulação do problema até a apresentação e discussão dos resultados.

Atividades-chave na Ciência Atual

1

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2

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e Desenvolver

3

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4

Apresentar
e publicar

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- Há dezenas! Algumas relevantes na área de informática são:
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 - IEEE Xplore Digital Library - <https://ieeexplore.ieee.org/>
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Lesandro Ponciano ; Francisco Brasileiro

2010 11th IEEE/ACM International Conference on Grid Computing

Year: 2010 | Conference Paper | Publisher: IEEE

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► Abstract

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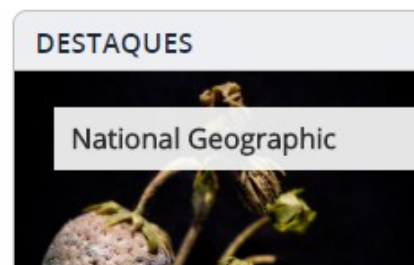
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Human computation is a computing approach that lets **humans** perform tasks for which there's still no satisfactory solution, even when today's most sophisticated computing infrastructures are used. One stream of **human computation** is âvolunteer thinking, âsystems ...

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... Many HCGs therefore end up serving tasks to **volunteers** either at random or to optimize informational ... MTurk may exhibit different behaviors from leisurely entertainment game players or **volunteer** HCG players ... **Engagement** Effects of Player Rating System-Based Matchmaking ...

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... **Volunteer** work started only few days before the event, initially with projects to prepare a ... A signup form for **volunteers** allows contributors to get informed of upcoming initiatives and ... that some tasks

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Citizen Science Terminology Matters: Exploring Key Terms

M. V. Eitzel, Jessica L. Cappadonna, +20 authors Qijun Jiang • 2017

Much can be at stake depending on the choice of words used to describe citizen science, because terminology impacts how knowledge is developed. Citizen science is a quickly evolving field that is... [\(More\)](#)

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Lesandro Ponciano dos Santos

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Lesandro Ponciano recebeu os títulos de Doutor em Ciência da Computação pela Universidade Federal de Campina Grande (UFCG), em 2015, Mestre em Ciência da Computação pela UFCG, em 2011, e Bacharel em Sistemas de Informação pela Pontifícia Universidade Católica de Minas Gerais (PUC Minas), em 2008. Desde 2016, é professor lotado no Departamento de Engenharia de Software e Sistemas de Informação da PUC Minas. Tem contribuições científicas nas áreas de sistemas de computação paralela e distribuída tratando de escalonamento de tarefas e economia de energia. Nos atuais projetos de pesquisa, atua nas áreas de Interação Humano-Computador e Sistemas Colaborativos, onde seus principais tópicos de pesquisa são engajamento de seres humanos e credibilidade de seres humanos em sistemas de computação por humanos (human computation) para ciência cidadã (citizen science). É membro da Sociedade Brasileira de Computação (SBC) e da Citizen Science Association (CSA). **(Texto informado pelo autor)**

Identificação

Nome Lesandro Ponciano dos Santos

Nome em citações bibliográficas PONCIANO, L.; SANTOS, L. P.; Ponciano, Lesandro; Santos, Lesandro Ponciano dos

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[Citizen science terminology matters: Exploring key terms](#)

MV Eitzel, JL Cappadonna, C Santos-Lang, RE Duerr, A Virapongse, ...
Citizen Science: Theory and Practice 2 (1)

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2017

[Volunteers' engagement in human computation for astronomy projects](#)

L Ponciano, F Brasileiro, R Simpson, A Smith
Computing in Science & Engineering 16 (6), 52-59

44

2014

[Finding Volunteers' Engagement Profiles in Human Computation for Citizen Science Projects](#)

L Ponciano, F Brasileiro
Human Computation 1 (2), 245-264

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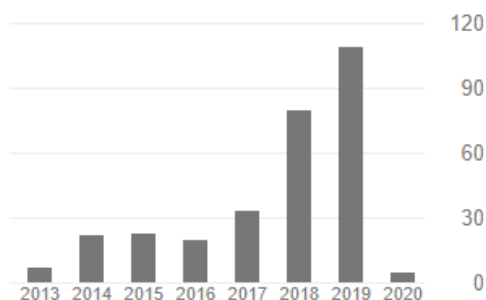
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2010 11th IEEE/ACM International Conference on Grid Computing, 282-289

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