

Semana **Internacional** 2021
Perspectivas da **Internacionalização**
CEFET-MG

14 a 18 de junho

Workshop I 14/06 - 18h30

Nanomaterials: Graphene and Carbon Devices

Professor: Igor de Souza Lana Antoniazzi
Departamento: Formação Geral - Curvelo
Público alvo: Alunos do Ensino médio
Língua: Inglês
Vagas: 30

Resumo: Graphene is a new electronic material. Having only two-dimensions, it is awakening a great interest in all scientific community due to its possible technological applications. Faster electronic devices, with flexible screens are the main goals of the carbon technology devices. In this workshop we will review current silicon technology. Next, we will learn about the production of graphene and its main properties. Finally, we will see the application promises of this material in the technological industry.

Link de inscrição: <https://forms.gle/u4io2jMBPCcbUF2C9>

Workshop II 14/06 - 18h30

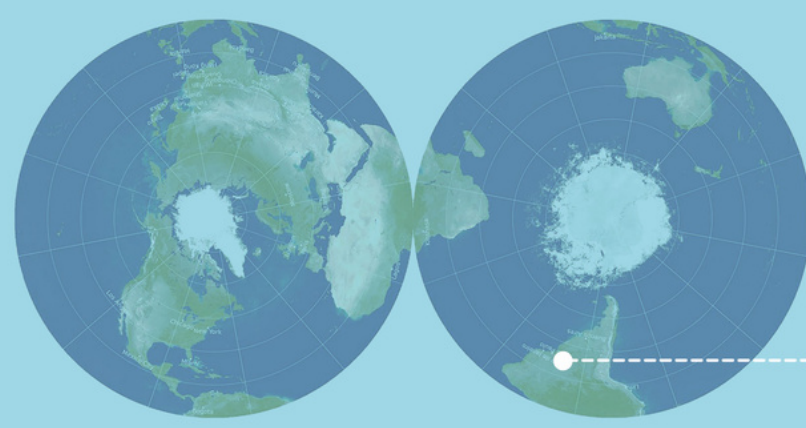
The Area of Robotics at CEFET in Divinópolis

Professor: Renato de Sousa Dâmaso
Departamento: Engenharia Mecatrônica - Divinópolis
Público alvo: Todos os interessados
Língua: Inglês
Vagas: 40

Resumo: In this workshop, I will present a brief retrospective experienced by me in the approximately 15 years of experience in this area at the institution. This will be a way of reflecting what was, what is, and projecting where robotics should go. Some photos, videos and simulations will illustrate this explanation. Questions and opinions are most welcome.

Link de inscrição: <https://forms.gle/uGjZxDgvgDS5P7NH7>





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Workshop III 14/06 - 18h30

¿Qué es la electrodinámica de Ampère?

Professor: João Paulo Martins de Castro

Departamento: Formação Geral - Timóteo

Público alvo: Adultos

Língua: Espanhol

Vagas: 100

Resumo: En 1820, el experimento de Oersted demostró una interacción entre la aguja de una brújula y una corriente eléctrica. De ahí surgieron varias interpretaciones sobre las causas del fenómeno observado, así como sus consecuencias. André-Marie Ampère fue el único que interpretó el fenómeno como puramente electrodinámico y obtuvo una expresión de fuerza donde, según Maxwell, “todos los fenómenos se pueden deducir”. A pesar de esto, la visión actual de la electrodinámica es antagónica a la visión amperiana. Explicaremos los principios y algunos experimentos que llevaron a Ampère a su fórmula y por qué su teoría electrodinámica aún no ha sido superada.

Pré-requisitos: Es recomendable haber cursado alguna disciplina de electrodinámica en la graduación o tener conocimientos de historia de la física.

Link de inscrição: <https://forms.gle/i1BvfyuCrmdYbFri9>

Workshop IV 14/06 - 18h30

Tasting bioinformatics with pollen and proteins

Professores: Sandro Renato Dias e Estefanía Sánchez Reyes

Departamento: Computação (Campus BH) e Universidade de Salamanca

Público alvo: Estudantes interessados em conhecer Bioinformática

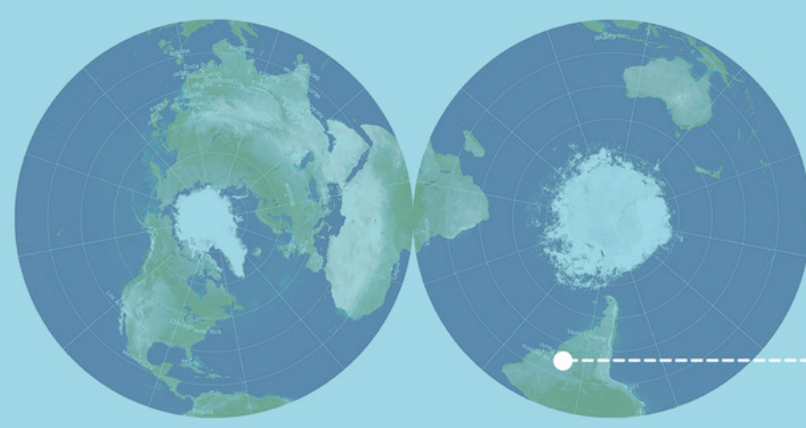
Língua: Inglês

Vagas: 40

Resumo: Don't you know what bioinformatics is? Or do you know and are in love with it? Anyway, come with us to know about it in a practical way analyzing some pollens and proteins related to allergies using bioinformatics tools. In this workshop, you will understand what bioinformatics is, learning and using tools to analyze proteins, accessing public databases to search information about proteins and grouping this information to get to some conclusions. Don't you know about proteins or you are not so familiar with Biology or Computing? No worries, you will get everything you need to understand. This workshop will be presented by Prof. Sandro Dias (CEFET-MG), PhD in Bioinformatics, and Prof^a. Estefanía Reyes (Salamanca University), PhD in Biology.

Link de inscrição: <https://forms.gle/ASgcJmoXfxjCm4bb9>





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Workshop V 14/06 - 18h30

Have fun making Limericks

Professora: Maria Isabel Rios

Departamento: Formação Geral - Divinópolis

Público alvo: Everybody who enjoys playing with the language

Língua: Inglês

Vagas: 40

Resumo: Have you ever heard about Limericks? A limerick is a five-line poem with a fixed structure of rhymes and beats meant to be funny. They are called Limericks because people say they were invented by soldiers returning from France to the Irish town of Limerick in the 1700s. Edward Lear, an English illustrator and poet, popularized this form. In this workshop, you will learn how to make a Limerick and you will have your production shared on our BOOK CLUB's Instagram. Let's play with the English language! Join us.

Link de inscrição: <https://forms.gle/4QnkegfEqoAriivr9>

Workshop VI 14/06 - 18h30

Renewable energies in refrigeration and heat pump systems

Professor: Tiago de Freitas Paulino

Departamento: Engenharia de Materiais - BH

Público alvo: Alunos dos Cursos técnicos (Mecânica, eletromecânica e mecatrônica), Graduação (engenharia mecânica) e Pós-graduação

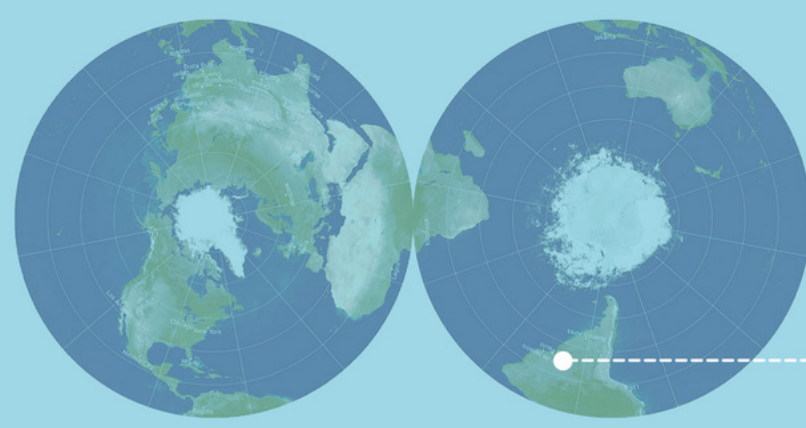
Língua: Inglês

Vagas: 20

Resumo: In this lecture, it will be presented the use of renewable energies sources in vapor compression system to produce cooling and/or heating. The presentation will consider the solar and geothermal energies in the Brazilian perspective.

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Workshop VII 14/06 - 18h30

Expressive Means for Creating Interdisciplinary Projects

Professor: Luís Cláudio Pires Seixas

Departamento: Formação Geral - Curvelo

Público alvo: Jovens e adultos, especialmente professores de arte

Língua: Inglês

Vagas: 100

Resumo: This workshop will approach artistic means as methodological tools for creating Interdisciplinary projects, by suggesting possibilities of dialogue and interface among disciplines usually seen as independent fields of knowledge. Nonetheless, this holistic perspective will be aware of the necessary coherence and sense of unity on the pursued results.

Link de inscrição: <https://forms.gle/Gyi5wsCirV2QXY9J7>

Workshop VIII 14/06 - 18h30

How to write e-mails in English

Professor: Adriano Henriques

Departamento: Formação Geral - Nepomuceno

Público alvo: High School Students

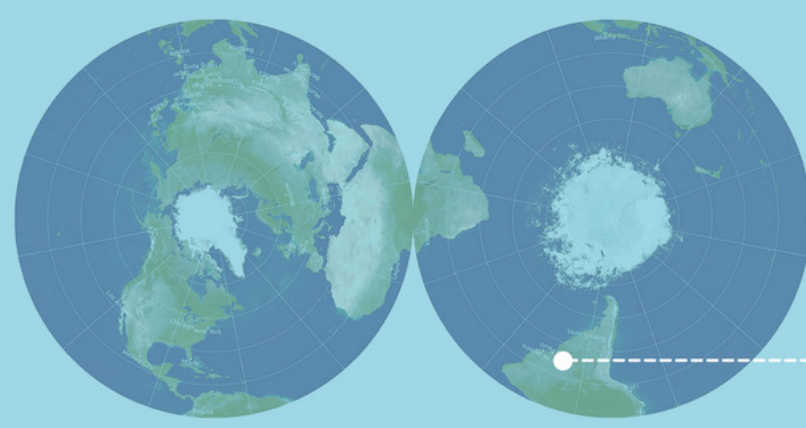
Língua: Inglês

Vagas: 20

Resumo: The workshop "How to write e-mails in English" proposes the use of formal English in academic situations. It aims to reflect on what are the appropriate structures to be used in e-mails and on the different cultural aspects involving the production of e-mails in English from those who have Portuguese as their mother tongue. For this reason, the workshop will present different situations demanding the use of e-mails to communicate in an educational institution.

Link de inscrição: <https://forms.gle/YLv38D7NdgTwWEYa7>





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Workshop IX 14/06 - 18h30

Research Article Abstracts: Dos and Don'ts of the Academic Register

Professora: Bruna Gabriela Augusto Marçal Vieira

Departamento: Formação Geral - Araxá

Público alvo: Engineering undergraduate and graduate students

Língua: Inglês

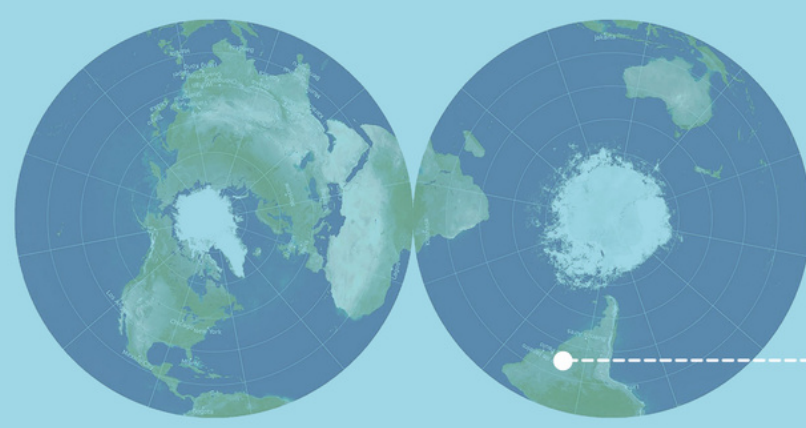
Vagas: 100

Resumo: Writing research articles and their abstracts are demanding for all academic novices, who are not used to the academic genres and their contextual, textual and linguistic conventions. For non-native English speakers, this task is even more challenging, once, due to English being the lingua franca of science, they also have to struggle with language barriers. This workshop aims at helping Engineering students, professors and researchers from CEFET-MG to reflect upon the rationale behind scientific activity in their discipline, in order to perceive how contextual issues shape language use and discourse, how English is shaped in those contexts, and finally, what to do and what to avoid when writing research article abstracts in English. Social Rhetoric's perspectives on genre analysis and teaching as well Systemic Functional Linguistics orient the present proposal, which will be carried out in two parts. In the first one, attendees must discuss over a number of statements regarding the academic register in English in their field of interest, after being presented to a rhetorical model of the aforementioned genre. Then, in the second moment, participants shall analyze the accuracy of some adapted sentences in English, taken from research article abstracts on engineering, in order to correct them, based on the previous discussions. At the end of this workshop, attendees will be able to better choose the appropriate register when producing research article abstracts in English, such as whether to use passive or active voice, when to use and what kind of adjectives would be adequate in exemplars of that genre, and how to organize information in the text by means of connectives.

Informações adicionais: Participantes devem ter ao menos conhecimento básico na língua inglesa, além de terem realizado ou estarem envolvidos com projetos de pesquisa e/ou extensão, ou seja, ter conhecimento mínimo de metodologia de pesquisa.

Link de inscrição: <https://forms.gle/tekuZdu4MXhPDGa37>





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Workshop X 14/06 - 18h30

Let's learn about Critical Reading?

Professora: Anna Carolina Corrêa Pereira

Departamento: Engenharia de Transportes - BH

Público alvo: Undergraduate and postgraduate students

Língua: Inglês

Vagas: 20

Resumo: Reading is an essential skill for academic competence. Reading can and needs to be improved because it is not just picking up a text and read it. There is a model to follow with several questions to answer. Let's learn more about it? This workshop will present the critical thinking model and will help you to read texts differently. If you want to improve this skill, let's do it!

Link de inscrição: <https://forms.gle/vP5Ef1MkCynYDqTd6>

