



MINISTÉRIO DA EDUCAÇÃO
INSTITUTO FEDERAL DO ESPÍRITO SANTO
CONSELHO SUPERIOR

**RESOLUÇÃO DO CONSELHO SUPERIOR Nº 18/2019,
DE 1 DE JULHO DE 2019**

ANEXO III – Relatório Individual de Trabalho

Nome: Carlos Alberto Dutra Fraga Filho	Matrícula Siape: 4562960
Classe / Nível: D401	
Lotação: Coordenadoria do Curso Técnico de Mecânica – Campus Guarapari	
Período de avaliação: 2021/1	

Justificativa de cumprimento

1 - ATIVIDADE DE ENSINO

1.1 - Disciplinas Ministradas:

Processos de Usinagem - MECG.ESP.3N

Atendimento aos alunos nesta disciplina

2- ATIVIDADE DE APOIO AO ENSINO

2.1 Cumprimento dos prazos estabelecidos para atividades didático-pedagógicas

[] 75% a 100% [x] 50 a 74% [] menor que 50%

2.21 - Atendimento e participação em reuniões de cunho pedagógico/administrativo -

[] 75% a 100% [x] 50 a 74% [] menor que 50%

3 - ATIVIDADES DE PESQUISA E INOVAÇÃO TECNOLÓGICA

3.1 Participação em dia de treinamento do software DualSPHysics – 07.06.2021

SPHERIC Training Day (certificado anexo)

3.2 Revisão de artigos científicos (relatório anexo)

- Junho de 2021:

A New Approach to Predict the Cascade Effect in Turbine Flowmeters Applied to Liquefied Petroleum Gas

Journal of the Brazilian Society of Mechanical Sciences and Engineering

- Julho de 2021:

Vibration analysis of Central Tie Rod Rotor-blade-bearing coupling system considering the influence of end-tooth connection structure

Journal of the Brazilian Society of Mechanical Sciences and Engineering

3.3 Apresentação oral em conferência – 14 de Agosto de 2021 (certificado anexo):

2021 International Symposium on Biomedical Engineering and Computational Biology (BECB 2021)

“Neighbouring search techniques in meshfree particle methods: An evaluation of the neighbour lists and the direct search”

3.4 Correção de prova de artigo científico para publicação no Journal of the Brazilian Society of Mechanical Sciences and Engineering (e-mails anexos), no mês de Setembro de 2021.

Diffusive terms applied in smoothed particle hydrodynamics simulations of incompressible and isothermal Newtonian fluid flows – artigo publicado em 04.10.2021, <https://doi.org/10.1007/s40430-021-03158-3>

4 - ATIVIDADES DE EXTENSÃO

-

5- ATIVIDADES ADMINISTRATIVAS

-

6 – OUTROS

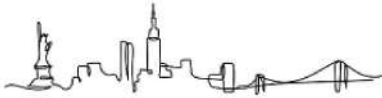
Estudo do software DualSPHysics ao longo do período letivo 2021-1

Data: 29 de Outubro de 2021



Assinatura Docente

Assinatura do Coordenador



SPHERIC 2021
VIRTUAL WORKSHOP, 8-11 JUNE 2021

CERTIFICATE OF ATTENDANCE

This is to certify that

Carlos Alberto Dutra Fraga Filho

attended the Training Day of the

15th International SPHERIC Workshop

on Smoothed Particle Hydrodynamics

held online and hosted by the New Jersey Institute of Technology on June 7, 2021

Dr Angelo Tafuni
15th SPHERIC Workshop - Chair of the Organizing Committee
July 2021



SPHERIC 2021
INTERNATIONAL WORKSHOP

VIRTUAL WORKSHOP, 8-11 JUNE 2021

Carlos Alberto Dutra Fraga Filho

<https://publons.com/researcher/B-5169-2018/>

Web of Science ResearcherID: B-5169-2018

Current affiliation:

- Instituto Federal do Espírito Santo (IFES) until present

Verified reviews

2 REVIEWS OF 2 MANUSCRIPTS

From date range May 2021 - September 2021

Vibration analysis of Central Tie Rod Rotor-blade-bearing coupling system considering the influence of end-tooth connection structure

Reviewed: Jul 2021 for Journal of the Brazilian Society of Mechanical Sciences and Engineering

A New Approach to Predict the Cascade Effect in Turbine Flowmeters Applied to Liquefied Petroleum Gas

Reviewed: Jun 2021 for Journal of the Brazilian Society of Mechanical Sciences and Engineering



Proofs for your article in Journal of the Brazilian Society of Mechanical Sciences and Engineering (3158)

2 messages

eproofing@springernature.com <eproofing@springernature.com>
Reply-To: spr_corrections@springer.com
To: cadff1@gmail.com

Sat, Sep 4, 2021 at 2:46 PM

SPRINGER NATURE

Article Title : Diffusive terms applied in smoothed particle hydrodynamics simulations of incompressible and isothermal Newtonian fluid flows

DOI : 10.1007/s40430-021-03158-3

BMSE-D-21-00211R2

Dear Author,

We are pleased to inform you that your paper is nearing publication. You can help us facilitate quick and accurate publication by using our e.Proofing system. The system will show you an HTML version of the article that you can correct online. In addition, you can view/download a PDF version for your reference.

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Sincerely yours,

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720 & 721 [Block 1](#)

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Registered number: U22219TN1992PTC022318

Carlos Alberto <cadff1@gmail.com>
To: spr_corrections@springer.com

Sat, Sep 4, 2021 at 5:59 PM

Dear Mr,
Good evening.

In the proof were necessary little corrections (already made).

I have a last request to present you.

To perform the insertion of the equations on page 10 and text after Eq.(14), on page 11 ([document attached](#)).

It will be necessary to change the number of equations from Section 4 and in the text. But you can follow the numeration of the document attached.

I don't know what happened (why an old version was sent for you at the first moment). This caused some confusion. But almost all problems are solved.

Can I send you the proof corrected until this moment (using Springer system)?

Awaiting your answer

With best regards.

Carlos Alberto Dutra Fraga Filho


Professor/ Researcher

D.Sc. in Environmental Engineering

Research website: <https://www.carlosdutrafraga.com>

Mobile/ Whatsapp: +55 27 998118759

[Quoted text hidden]

 **BMSE-D-21-00211_R2_DETAILS.pdf**
8223K

Revised proof for your article 10.1007/s40430-021-03158-3

9 messages

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>
To: "cadff1@gmail.com" <cadff1@gmail.com>
Cc: Subha Elangovan <subha.elangovan@springernature.com>

Wed, Sep 15, 2021 at 8:16 AM

Dear Author,

Herewith we have attached the revised proof of your article. Please go through the proof and confirm whether all your corrections were incorporated.

We are waiting for your approval.

Many thanks in advance.

Yours sincerely

S. S. Sudersan (on behalf of Jayagopal)

Author Corrections Team

Springer Nature Journals Production


Spr_corrections@springer.com

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4661K

Carlos Alberto <cadff1@gmail.com>

Wed, Sep 15, 2021 at 1:50 PM

To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>, subha.elangovan@springernature.com

Dear Mr Subramaniam,
Good evening.

After the paper analysis, I am send you my correction requests before the publication:

1 - Please, use the same fontsize in Eqs. (1) and (2), (17) and (18). Please, ensure that the sources used in the equations are the same throughout the article

2 - In page 5, line 335, create new lines and use the following format for the variables:
where:
|S| ...
Cs ...

3 - It's necessary to adjust the captionS of the Figs. (4) and (6) to be the figures and captions in the same page.

4- It would be better if Fig. 2 were immediately after (or inside) the subsection 5.1.2

5- It would be better if Figs. 3-6 and Tables 2-9 were after Subsection 5.1.3 and before Section 5.2 (they are confused inside other sections).

6- Please, in the subsections 5.2.1.1, 5.2.1.2, 5.2.2.1 and 5.2.3.1, start the text (after the title) on a new line.

7- Figure 7 must be placed in Subsection 5.2.1.2

8- Figures 8 and 9 must be at the end the subsection 5.2.2.1

9- Figure 10 must be inside the subsection 5.2.3.1

10- In page 16, lines 734-736, the paragraph must be deleted: "Fraga Filho, CAD, Chacaltana, JTA. Revista Interdisciplinar de Pesquisa em Engenharia, 2(11), 2016; licensed under a Creative Commons Attribution (CC BY) license"
This text must be placed as the second half of the caption of Fig. 10 (as is in the original manuscript)

11- Figure 10 must be in the subsection 5.2.3.1

Please, let me know about the modifications before the publication please.

Thank you for your attention, again.

With best regards.

Carlos Alberto Dutra Fraga Filho
Professor/ Researcher
D.Sc. in Environmental Engineering
Research website: <https://www.carlosdutrafraga.com>
Mobile/ Whatsapp: +55 27 998118759

[Quoted text hidden]

Carlos Alberto <cadff1@gmail.com>

Wed, Sep 15, 2021 at 2:00 PM

To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>, subha.elangovan@springernature.com

Dear Mr Subramanian,

Just to add final corrections to the previous ones (in the previous email), in the References section:

12 -

Change 8. Kirby JT, Lon W, Shi F (2005b) to Kirby JT, Lon W, Shi F (**2005**)

13-

Change Fraga Filho CAD, Chacaltana JTA (2016b) to Fraga Filho CAD, Chacaltana JTA (**2016**)

14 -

Change Fraga Filho CAD, Piccoli FP, Barbosa DA, Chacaltana JTA (2015b) to Fraga Filho CAD, Piccoli FP, Barbosa DA, Chacaltana JTA (**2015**)

If you have any doubt, let me know, please.

Thank you very much, again.

[Quoted text hidden]

[Quoted text hidden]

Carlos Alberto <cadff1@gmail.com>

Thu, Sep 16, 2021 at 6:49 PM

To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>, subha.elangovan@springernature.com

Dear Mr Subramanian,
Good evening.

Just to clear.

The order of Tables after Figures must be maintained (that presented in the revised manuscript that I sent you),
because there are not text linking them.

- Figure 3, after Tables 2 and 3.
- Figure 4, after Tables 4 and 5.
- Figure 5, after Tables 6 and 7.
- Figure 6, after Tables 8 and 9.

Please, I request you confirm the receipt of this message.

If you have any doubt, contact me.

[Quoted text hidden]

[Quoted text hidden]

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Thu, Sep 16, 2021 at 10:19 PM

To: Carlos Alberto <cadff1@gmail.com>, Subha Elangovan <subha.elangovan@springernature.com>

Dear Author,

We confirm the receipt of your response. We shall start processing the file and get back to you for clarifications, if required.

Yours sincerely

Sathya (on behalf of Jayagopal)

Author Corrections Team

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jayagopal.subramaniam@springernature.com

From: Carlos Alberto <cadff1@gmail.com>

Sent: Friday, September 17, 2021 3:19 AM

To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>; Subha Elangovan <subha.elangovan@springernature.com>

Subject: Re: Revised proof for your article 10.1007/s40430-021-03158-3

[External - Use Caution]

[Quoted text hidden]

[Quoted text hidden]

Carlos Alberto <cadff1@gmail.com>
To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Sun, Sep 19, 2021 at 1:19 PM

Dear Mr Submaniam,
Good morning.

Thank you for your response.

I noted that in Eq. (13) is missing the exponent **0.5**, as was in the revised manuscript (please, see figure attached).

Please, I request you confirm the receipt of this message.

Best regards.

[Quoted text hidden]

[Quoted text hidden]



EXPONENT EQUATION 13.png
294K

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>
To: Carlos Alberto <cadff1@gmail.com>

Sun, Sep 19, 2021 at 1:51 PM

Dear Author,

We confirm the receipt of your e-mail.

[Quoted text hidden]

[Quoted text hidden]

Carlos Alberto <cadff1@gmail.com>
To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Thu, Sep 23, 2021 at 12:15 PM

Dear Mr Submaniam,
Good afternoon.

Is everything going well in the new proof preparation?
If someone need help, please let me know.

[Quoted text hidden]

[Quoted text hidden]

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>
To: Carlos Alberto <cadff1@gmail.com>

Thu, Sep 23, 2021 at 2:19 PM

Dear Author,

We are processing the article and get back to you for clarifications, if required.

Revised proof for your article 10.1007/s40430-021-03158-3 // QTS

4 messages

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>
To: "cadff1@gmail.com" <cadff1@gmail.com>
Cc: Subha Elangovan <subha.elangovan@springernature.com>

Thu, Sep 30, 2021 at 5:00 AM

Dear Author,

Herewith we have attached the revised proof of your article. Please go through the proof and confirm whether all your corrections were incorporated.

We are waiting for your approval.

Many thanks in advance.

Yours sincerely

R. Kavitha (on behalf of Jayagopal)

Author Corrections Team

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Carlos Alberto <cadff1@gmail.com>
To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Fri, Oct 1, 2021 at 7:48 AM

Dear Mr Kavitha,
Good morning.

I hope that you are doing well.

The revised proof is approved and the paper can be published as it is.
Please make the author's copy available at the time of publication, please.

With best regards,
Carlos Alberto Dutra Fraga Filho

[Quoted text hidden]

Carlos Alberto <cadff1@gmail.com>
To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Tue, Oct 5, 2021 at 8:58 AM

Dear Mr Subramaniam,
Good morning.

I received an ORCID notification on the paper publication.
<https://link.springer.com/article/10.1007%2Fs40430-021-03158-3>

That's nice!

Could you send me the author's copy, please?

A last observation:

In the citation, I request Springer change the citation to **FRAGA FILHO, C.A.D**, please.

[Quoted text hidden]

[Quoted text hidden]

Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>
To: Subha Elangovan <subha.elangovan@springernature.com>
Cc: "cadff1@gmail.com" <cadff1@gmail.com>

Tue, Oct 5, 2021 at 9:11 AM

Dear Subha,

Please get back to the author for the below e-mail.

Thank you.

Yours sincerely

Hema

—

Hemalatha T. (on behalf of Jayagopal)

Author Corrections Team

Springer Nature Journals Production

jayagopal.subramaniam@springernature.com

From: Carlos Alberto [mailto:cadff1@gmail.com]

Sent: Tuesday, October 5, 2021 5:28 PM

To: Jayagopal Subramaniam <Jayagopal.Subramaniam@springer.com>

Subject: Re: Revised proof for your article 10.1007/s40430-021-03158-3 // QTS

[External - Use Caution]

[Quoted text hidden]

[Quoted text hidden]



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NANCHANG HANGKONG UNIVERSITY

2021 International Symposium on Biomedical Engineering and Computational Biology (BECB 2021)

Conference Program

(China Standard Time, GMT +08:00)

August 13-15, 2021 Online

www.becbinfo.com



(Video)	BECB-MS-1150	Probabilistic machine learning methods for Down syndrome prenatal screening: unified first and second Trimester markers multivariate bayesian risk model versus current contingent sequential strategy <i>Luis M López-Garcia, Lluís Alcanyis Hospital, Spain</i>
(Video)	BECB-MS-1174	Estimation of dynamic SNP-heritability with Bayesian Gaussian process models <i>Arttu Arjas, University of Oulu, Finland</i>

Oral Session_4 Bioinformatics and Computational Biology II

Time: August 14, 2021, Saturday, 19:00--

VooV Meeting ID: 840 166 596

Session Chair: To be confirmed.

Time	Paper ID	Paper Title & Presenter
19:00-19:15	BECB-MS-1024	Evaluation of growth performance, blood metabolites and gene expression analysis in Egyptian sheep breeds, in relation to age <i>Ayat Alaa-ElDeen Fayed, Cairo University, Egypt</i>
19:15-19:30	BECB-MS-1067	Neighbouring search techniques in meshfree particle methods: An evaluation of the neighbour lists and the direct search <i>Carlos Alberto Dutra Fraga Filho, Federal Institute of Education, Science and Technology of Espírito Santo, Brazil</i>
19:30-19:55	BECB-MS-1079 (Invited Talk)	An educational bioinformatics project to improve genome annotation <i>Laura Harris, Michigan State University, USA</i>
19:55-20:10	Short Break	
20:10-20:25	BECB-MS-1112	Telomere length is negatively associated with BMI, R wave in aVL and IL-6 level in patients with new cases of hypertension <i>Olga Podpalova, Republican Scientific and Practical Centre of Cardiology, Belarus</i>
20:25-20:40	BECB-MS-1176	Dewetting of polymer films controlled by protein adsorption <i>Kamil Awwsiuk, Jagiellonian University, Poland</i>
20:40-21:05	BECB-MS-1207 (Invited Talk)	Semi-interpenetrating polymer networks for brain-related applications <i>Marta Tunesi, Politecnico di Milano, Italy</i>
21:05-21:20	BECB-MS-1149	Self-analysis of repeat proteins reveals evolutionarily conserved patterns <i>Matthew Merski, University of Warsaw, Poland</i>
(Video)	BECB-MS-1045	Determinants of scale-up from a small pilot to a national electronic immunization registry in Vietnam: qualitative evaluation <i>Nguyen Tuyet, Nga, PATH, Vietnam</i>

CERTIFICATE OF ORAL PRESENTATION

awarded to

Carlos Alberto Dutra Fraga Filho

in honor of your presentation titled

**Neighbouring search techniques in meshfree particle methods: An evaluation
of the neighbour lists and the direct search**

presented at

**2021 International Symposium on Biomedical Engineering
and Computational Biology (BECB 2021)**

BECB 2021

Organizing Committee



Conference Secretary