

9th Latin American Workshop on Cliques in Graphs

in conjunction with Discrete Mathematics and Applications Workshop 2020



remote
9th LAWCG
and
MDA

November 25th, 2020

Certificate of Participation

This is to certify that

Adilson Luis Jonck Junior

from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

Celina de Figueiredo
(LAWCG Steering Committee)

Márcia Cappelle
(Program Committee)

Simone Dantas
(General Chair)

Telma Pará
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Certificate of Participation

This is to certify that

Aida Abiad

*from **Eindhoven University of Technology, The Netherlands**, participated in this international workshop held remotely on November, 25th 2020.*

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Certificate of Participation

This is to certify that

Aleffer Rocha

*from **Universidade Tecnológica Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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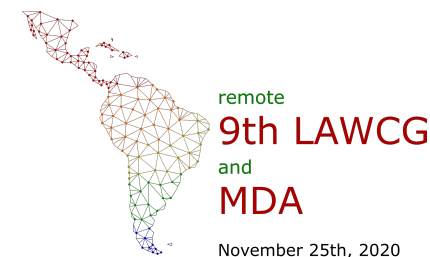
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This is to certify that

Alessandra Aparecida Pereira

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Alessandra Barboza Queiróz

from **Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Alexandre Prusch Züge

*from **UFPR - Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Alexsander Andrade de Melo

from **Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Aline Rodrigues da Silva

from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Amanda Azevedo Abou Mourad

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Ana Karolinna Maia

*from **UFC/LIRMM-Université de Montpellier, Brazil/France**, participated in this international workshop held remotely on November, 25th 2020.*

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Ana Laura Trujillo-Negrete

*from **CINVESTAV, México**, participated in this international workshop held remotely on November, 25th 2020.*

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Ana Luísa Carvalho

*from **CEFET-RJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Ana Shirley Silva

*from **Universidade Federal do Ceará, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Anamaria Gomide

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

André da Cunha Ribeiro

*from **Instituto Federal Goiano, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Andre Ebling Brondani

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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André Luiz Pires Guedes

*from **UFPR - Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Andre Rodrigues Oliveira

*from **Universidade Estadual de Campinas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Ariadna Juarez Valencia

from **Universidade Autônoma Metropolitana., Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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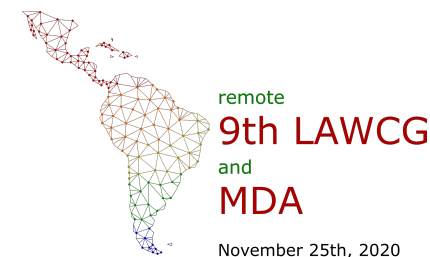
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Atilio Gomes Luiz

*from **Universidade Federal do Ceará, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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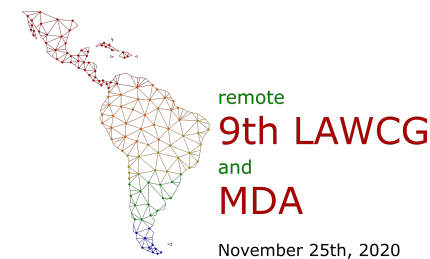
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Aurora Morgana

*from **Università di Roma, Italia**, participated in this international workshop held remotely on November, 25th 2020.*

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Caio Henrique Segawa Tonetti

*from **Universidade Federal de Minas Gerais, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Carlos Alejandro Alfaro

*from **Banxico, México**, participated in this international workshop held remotely on November, 25th 2020.*

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Carmen Ortiz

*from **Universidad de Valparaíso, Chile**, participated in this international workshop held remotely on November, 25th 2020.*

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Caroline Aparecida de Paula Silva

from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Caroline da Silva Reis Patrão

*from **IFRJ / COPPE-Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Célia de Mello

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Celina Miraglia Herrera de Figueiredo

from **Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Celso Aimbiré Weffort Santos

from **Instituto de Computação - Universidade Estadual de Campinas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Christiane Neme Campos

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Cláudia Linhares Sales

*from **Universidade Federal do Ceará, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Cristián Sepúlveda Sánchez

*from **Universidad de Santiago de Chile, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Cristiano Gabriel de Souza Campos

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Cybele T. M. Vinagre

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Daniel Akira Mori

*from **Universidade Tecnológica Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Daniel Fabio Domingues Posner

*from **UFRRJ - Universidade Federal Rural do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Déborá Marília Hauenstein

*from **UFRGS - Universidade Federal do Rio Grande do Sul, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Deise Lilian de Oliveira

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Diana Sasaki Nobrega

from **Universidade do Estado do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Diane Castonguay

*from **UFG - Universidade Federal de Goiás, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Diego Amaro Ferraz da Costa

from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Diego Rangel Piranga Costa

*from **UFMG - Universidade Federal de Minas Gerais, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Dr. S.Sathish Narayanan

from **Department of Mathematics, Sri Paramakalyani College, Alwarkurichi, India,**
participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Edna Hoshino

*from **UFMS - Universidade Federal de Mato Grosso do Sul, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Elisa Dell'arriva

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Enrique Casas Bautista

*from **Universidad Autónoma del Estado de México, México**, participated in this international workshop held remotely on November, 25th 2020.*

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Erika Morais Martins Coelho

*from **Universidade Federal de Goiás, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Fabiano Oliveira

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This is to certify that

Fábio Botler

*from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

Celina de Figueiredo
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Márcia Cappelle
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This is to certify that

Fabricio Schiavon Kolberg

*from **Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Fernanda Couto

from **Universidade Federal Rural do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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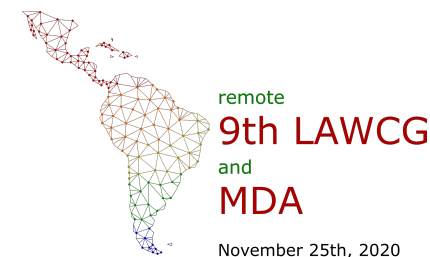
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This is to certify that

Fernanda Neiva Mesquita

*from **UFG - Universidade Federal de Goiás, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Flavia Bonomo

*from **Universidad de Buenos Aires, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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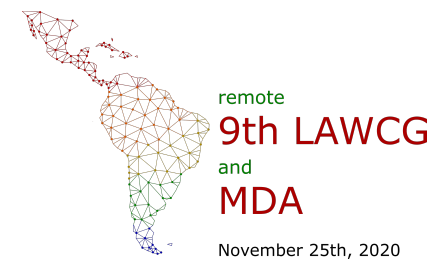
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This is to certify that

Flavio Henrique da Silva

*from **Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Francis E. Yap

*from **University of the Philippines Baguio, Philippines**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Francisca Andrea Macedo Franca

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Gabriel Augusto Gonçalves Sobral

*from **Universidade de São Paulo, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Gabriel Ferreira Barros

from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Glasielly Demori Proença

*from **UFMS - Universidade Federal de Mato Grosso do Sul, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Graciela Madrid Munoz

*from **Universidad de Santiago, Chile**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Graciela Nasini

*from **Universidad Nacional Rosario - CONICET, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Guilherme de Castro Mendes Gomes

*from **UFMG - Universidade Federal de Minas Gerais, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Guilherme Porto

*from **E. E. E. M. Dom Pedro II, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Igor da Silva Morais

*from **Centro Federal de Educação Tecnológica Celso Suckow da Fonseca - CEFET-RJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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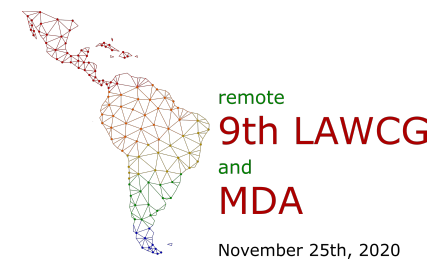
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This is to certify that

Isabel Figueira de Abreu Gonçalves

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Isabela Carolina Lemes Frota

*from **Universidade Federal de Goiás, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Jayme Luiz Szwarcfiter

from **Universidade Federal do Rio de Janeiro e UNiversidade do Estado do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

João Meidanis

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

João Paulo Kubaszewski Castilho

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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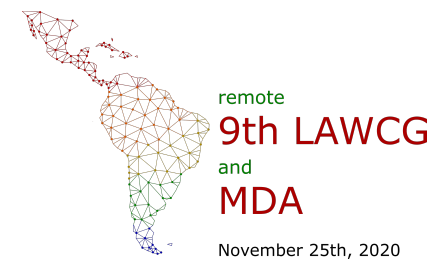
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This is to certify that

José Robertty de Freitas Costa

from **Universidade Federal do Ceará, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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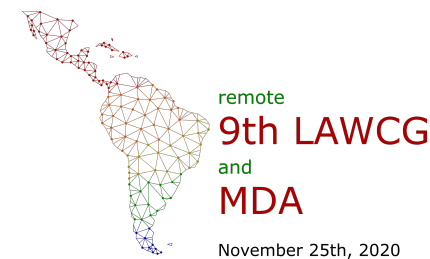
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Juliane Kristine de Lima

*from **UFABC - Universidade Federal do ABC, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Lara Rodrigues Ventura

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Leandro Miranda Zatesko

*from **Universidade Tecnológica Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Léo Vieira Peres

*from **Universidade Estadual de Campinas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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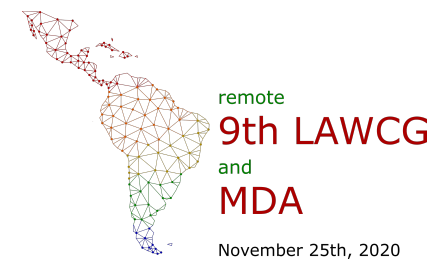
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This is to certify that

Leonard Mijares Paleta

*from **University of Southern Mindanao-Philippines, Philippines**, participated in this international workshop held remotely on November, 25th 2020.*

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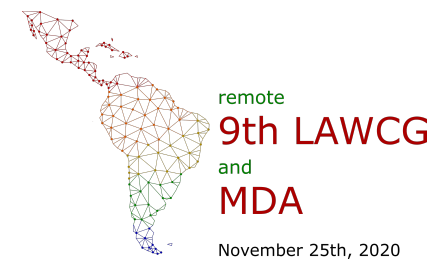
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This is to certify that

Letícia Mayumi A. Tateishi

from **Instituto de Computação - Universidade Estadual de Campinas - UNICAMP, Brazil**,
participated in this international workshop held remotely on November, 25th 2020.

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Liliana Alcón

*from **Universidad Nacional de La Plata, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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Luan Moises Dos Santos Valadares

from **Universidade Federal de Viçosa, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Lucas Peres Oliveira

*from **Universidade de Campinas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Luis Arturo Perez Lozada

*from **FACCAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Luís Felipe Ignácio Cunha

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Luis Gustavo da Soledade Gonzaga

from **Universidade Tecnológica Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Luis Manuel Rivera

*from **Autonomous University of Zacatecas, México**, participated in this international workshop held remotely on November, 25th 2020.*

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Márcia Cappelle

*from **UFG - Universidade Federal de Goiás, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Marcus Vinicius Tovar Costa

from **Universidade do Estado do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Maria do Socorro Nogueira Rangel

*from **UNESP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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María Inés Lopez Pujato

from **Universidad Nacional de Rosario (FCEIA) y CONICET, Argentina**, participated in this international workshop held remotely on November, 25th 2020.

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Maria Patricia Dobson

*from **FCEIA UNR, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Mariana Martins Ferreira da Cruz

*from **Universidade Federal do Rio de Janeiro - Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Mariano Leonardo Rean

*from **Universidad de Buenos Aires, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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Marina Esther Groshaus

*from **UTFPR, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Marisa Gutierrez

*from **Dto. de Matemática Universidad Nacional de La Plata, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Martín Darío Safe

*from **Universidad Nacional del Sur, Argentina, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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Martin Milanic

*from **University of Primorska, Koper, Slovenia, Slovenia**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Matheus Nunes Adauto

*from **PESC - Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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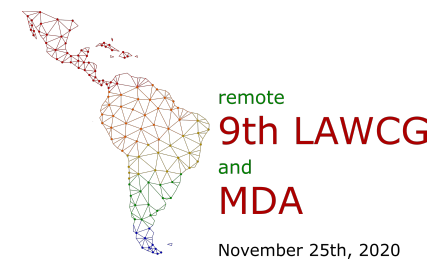
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This is to certify that

Matheus Vinicius Correa

*from **Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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(Program Committee)

Simone Dantas
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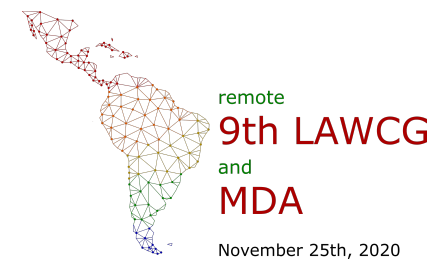
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This is to certify that

Mauro Nigro Alves Junior

*from **Univerisdade do Estado do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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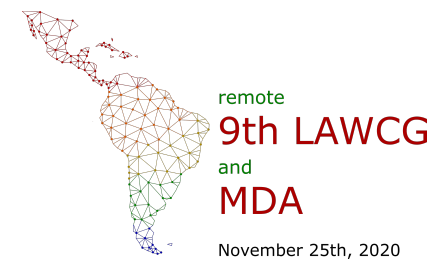
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Mauro Nunes Weber

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Mayara Midori Omai

*from **Universidade Estadual de Campinas - UNICAMP, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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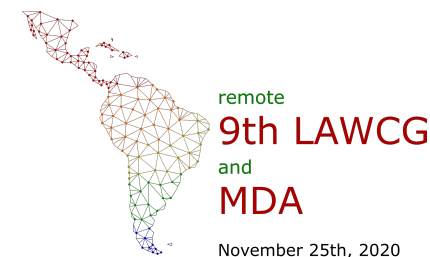
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This is to certify that

Miriam del Milagro Abdón

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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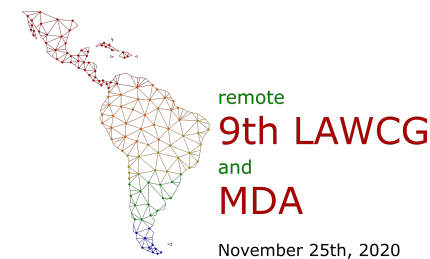
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This is to certify that

Moisés Teles Carvalho Junior

from **Instituto Benjamin Constant, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Mónica Villanueva

*from **Universidad de Santiago de Chile, Chile**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Moysés da Silva Sampaio Júnior

from **Universidade Federal do Rio de Janeiro - UFRJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Natalí Romina Vansteenkiste

*from **Facultad de Ciencias Exactas, Ingeniería y Agrimensura - Universidad Nacional de Rosario, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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Nelson de Assis Junior

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Nina Pardal

*from **ICC-Universidad de Buenos Aires, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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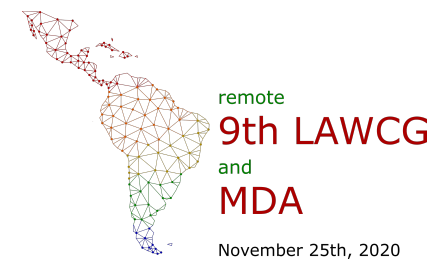
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This is to certify that

Orlando Noel Romero Oblitas

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Òscary Àvila-Hernàndez

from **Autonomous University (UNAB)**, **Colombia**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Otávio Soares Mortosa

*from **Universidade Federal de Goiás - UFG, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Paloma Thome de Lima

from **University of Bergen, Norway**, participated in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Patrick Dos Santos Alves

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Pedro Henrique González Silva

*from **CEFET/RJ, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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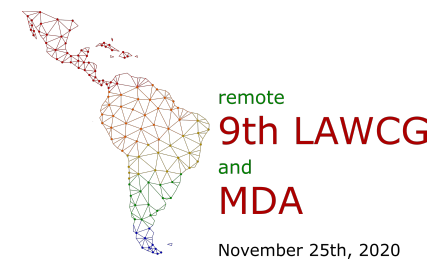
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Qays Shakir

*from **Middle Technical University, Iraq**, participated in this international workshop held remotely on November, 25th 2020.*

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Rachel Kirsch

*from **Iowa State University, EUA**, participated in this international workshop held remotely on November, 25th 2020.*

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Rafael Almeida da Costa Schneider

from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Rainer Xavier de Amorim

from **Instituto de Ciências Exatas e Tecnologia (ICET/UFAM), Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Ralihe Raúl Villagrán Olivas

*from **CINVESTAV-IPN, México**, participated in this international workshop held remotely on November, 25th 2020.*

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Raul Wayne Teixeira Lopes

from **Universidade Federal do Ceará, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Rayan Gustavo Oliveira Jucá Lima

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Renata Del-Vecchio

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Renato Carmo

*from **Universidade Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Robson Carlos de Moura Junior

from **Universidade Estadual de Campinas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Rocío Belén Suárez Albanesi

*from **Universidad Nacional del Sur, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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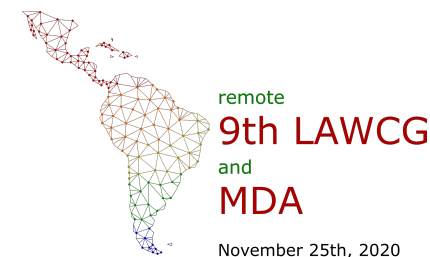
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Rodolfo Alves de Oliveira

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Rodrigo Chimelli Silva

*from **UFF - Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Rodrigo Marinho de Souza

*from **IST, University of Lisbon, Portugal**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Rosiane de Freitas

*from **IComp/UFAM - Universidade Federal do Amazonas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Mario Valencia

*from **Université Sorbonne Paris Nord, France**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Sérgio Fusquino Orfei

*from **Universidade do Estado do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Sérgio Henrique Nogueira

from **Universidade Federal de Viçosa, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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Sheila Morais de Almeida

*from **Universidade Tecnológica Federal do Paraná, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Simone Ingrid Monteiro Gama

*from **UFAM - Universidade Federal do Amazonas, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Sulamita Klein

*from **Universidade Federal do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Sylvain Gravier

*from **Institut Fourier, Université Grenoble Alpes, France**, participated in this international workshop held remotely on November, 25th 2020.*

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Tais Leticia Oliva de Carvalho

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Taísa Lopes Martins

*from **Universidade Federal Fluminense, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Tanilson Dias dos Santos

*from **Universidade Federal do Tocantins, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Telma Silveira Pará

from **FAETEC- Fundação de Apoio à Escola Técnica do Rio de Janeiro, Brazil**, participated
in this international workshop held remotely on November, 25th 2020.

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This is to certify that

Thiago de Menezes Duarte e Silva

*from **Pontifícia Universidade Católica do Rio de Janeiro, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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This is to certify that

Uriel Alejandro Salazar Martínez

from **Universidade Federal do ABC - UFABC, Brazil**, participated in this international workshop held remotely on November, 25th 2020.

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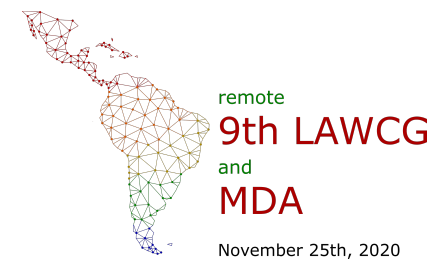
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This is to certify that

Vagner Pedrotti

*from **UFMS - Universidade Federal de Mato Grosso do Sul, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*

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Valeria Leoni

*from **Universidad Nacional de Rosario y CONICET, Argentina**, participated in this international workshop held remotely on November, 25th 2020.*

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Veronica Moyano

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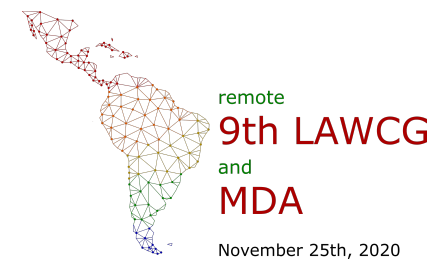
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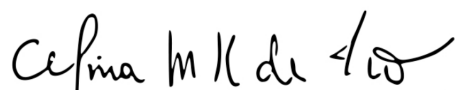


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Vinicius Fernandes dos Santos

*from **UFMG - Universidade Federal de Minas Gerais, Brazil**, participated in this international workshop held remotely on November, 25th 2020.*



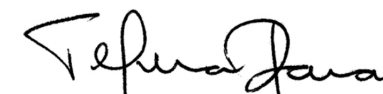
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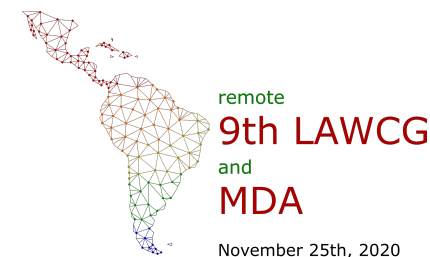
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Vitor Tocci Ferreira de Luca

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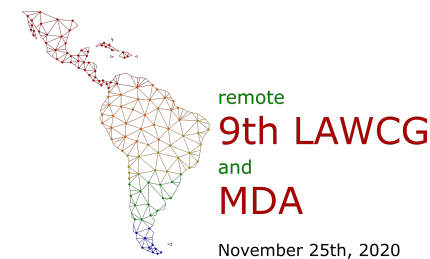
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Wanderson Douglas Lomenha Pereira

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Wilder Pinto Mendes

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Yoshiko Wakabayashi

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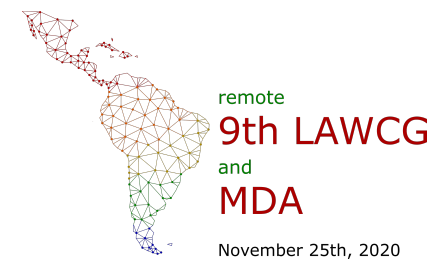
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