

Name of the programme	Modification of oxidation properties of sulfide mix towards frictional stability in NAO brake pad
Date	04.06.2020
No. of Participants	62
Nature of participants	Internal and External Faculty Members, Industry participants & Students



Report on the Webinar

“Modification of oxidation properties of sulfide mix towards frictional stability in NAO brake pad”

**Organized by
Department of Mechanical Engineering.
BSACIST**

Presented by,
Dr. Carlos Lorenzana,
Technical Director, RIMSA Metal Technology, SPAIN

Date & Time: 04/06/2020 05.00 to 06.00 p.m

Coordinators

Dr.M.A.Sai Balaji ,Asso Professor

Dr.S.Ravikumar,Asst Professor

Department of Mechanical Engineering

School of Mechanical Sciences,

BSACIST.

Speaker:


Dr. Carlos Lorenzana,

Technical Director,

RIMSA Metal Technology SPAIN

PREAMBLE

- The webinar on “**Modification of oxidation properties of sulfide mix towards frictional stability in NAO brake pad**” was organized in collaboration with Rimsa Metal Technology, Barcelona, Spain. The presentation was delivered by Dr. Carlos Lorenzana, Technical Director-R&D of Rimsa. The webinar offers a brief introduction about various sulfides used in the brake pad. Among the different metal sulfides, Tin sulfide is widely used as additive in friction materials as it provides benefit in terms of stabilization of coefficient of friction and reduction of wear. Oxidation temperature range is one of the key properties of sulfides. But Tin sulfide being too expensive, formulators throughout the world is searching for an alternative without compromise on the performance. The author emphasized about amalgamating FeS and Tin sulfide to improve the oxidation properties of the mix. Unlike the mechanical mixing methods widely used, he pressed for the chemical mixing to get a unique microstructure which improves the stabilization of friction and wear. By this the oxidation temperature of the phenolic resin which degrades by 175°C is also improved. The above method is validated by testing in an inertia brake dynamometer.
- Different proportion of mixing Iron & Tin sulfide and their corresponding results were discussed. In addition to the researchers, academicians and students, formulators and testing engineers from several OEMs and Aftermarket manufacturers from friction material Industries attended the webinar and had a fruitful discussion at the end of the webinar.

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Coordinators



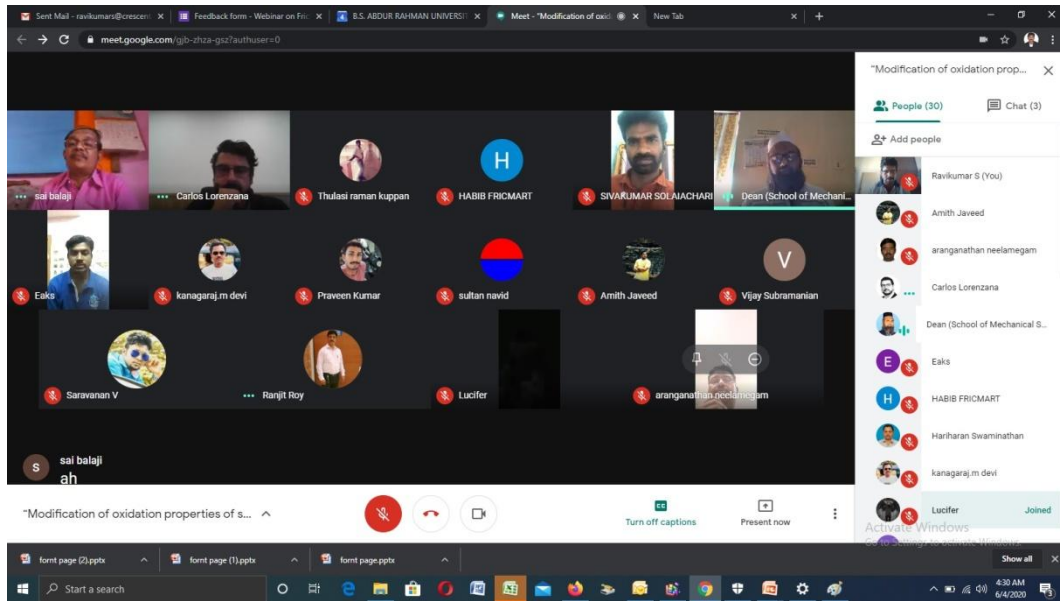
HOD (Mech)

Attendees

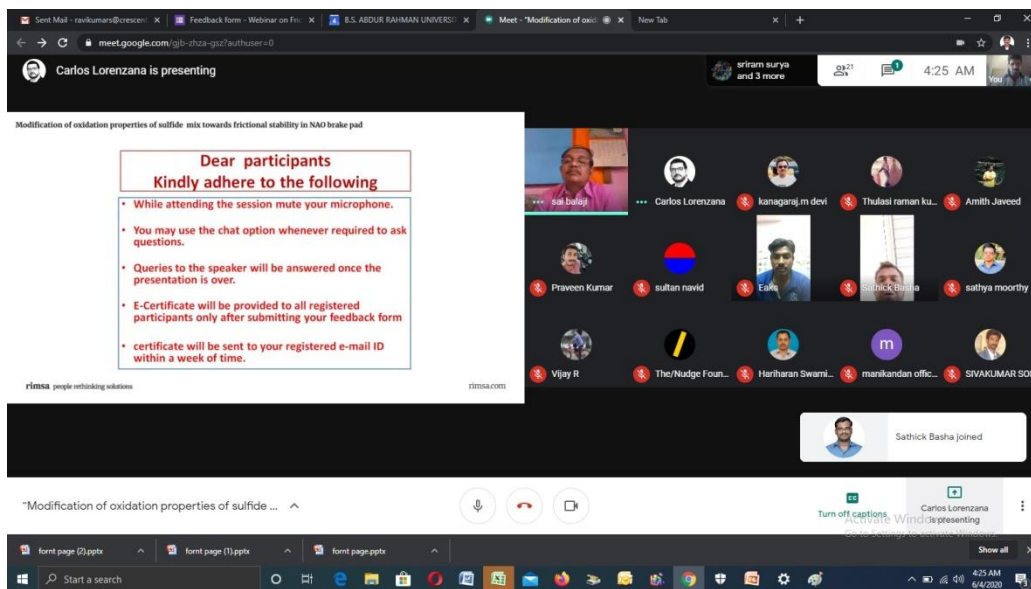
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Some Snaps during presentation:



screen shot during presentation:



Organized by

Department of Mechanical Engg
(School of Mechanical Sciences)

&

RIMSA Metal Technology, Spain

Webinar on

**“Modification of oxidation properties of sulfide
mix towards frictional stability in NAO brake pad”**

Presented by

Dr. Carlos Lorenzana

Technical Director,
RIMSA Metal Technology ,Spain

**04TH
JUNE
2020**

**5.00
to
6.00 PM**

Some sample presentations:

The screenshot shows a web browser window displaying a Google Drive video player. The browser's address bar shows the URL: drive.google.com/file/d/1rCX9zDSSIG82eBZR61X4bobAYp2JiIBy/view. The video player title is "Modification of oxidation properties of ... AO brake pad" (2020-06-04 at 04:45 GMT-7). The video content shows a man with glasses and a beard, identified as Carlos Lorenzana, speaking. The Windows taskbar at the bottom shows the time as 21:37 on 04-06-2020. The taskbar includes icons for various applications like Chrome, File Explorer, and VLC.

Chrome File Edit View History Bookmarks People Tab Window Help Thu 5:52 PM

meet.google.com/gjb-zhza-gsz

ajay kishanth and 44 more

5:52 PM

docs.google.com/presentation/d/1bZpEZA-xpSzGhQJ_WnFmLDD4P84b17xITTSvYiA6E/edit#slide=id.g85f75b3aa3_0_115

WEBINAR CRESCENT

Modification of oxidation properties of sulfide mix towards frictional stability in NAO

Thank you very much!

Please, let me know your questions

Dr. Carlos Lorenzana
Technical Director

rimsa

in RIMSA FRICTION

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rimsa.com

Sethupathi has left the meeting

Meeting details

Turn on captions Present now

B.S. Abdur Rahman
Crescent
Institute of Science & Technology
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36 YEARS OF ACADEMIC EXCELLENCE

Ref.No: CRESCENT/ MECH /WEBINAR

DATE: 04.06.2020

CERTIFICATE OF PARTICIPATION

This is to certify that

Lisa Simpson of Springfield Elementary

has actively participated in the Webinar on “Modification of oxidation properties of sulfide mix towards frictional stability in NAO brake” organized by the Department of Mechanical Engineering, BSA Crescent Institute of Science and Technology, Chennai- 48 on 04th June 2020.

HOD/MECH

DEAN/SMS

H. G. J. P. S.

[Signature]