

Ceramic Online Lectures

Organized During COVID-19 Lock Down (15th of April 2020 to 16th of Aug 2020)

Schedule of the Lectures

Lecture No.	Date(mm-dd-yyyy)	Name of Resource person	Organization	Country	Title of Lecture	Timing (IST)
1	4/15/2020	Dr C D Madhusoodana	BHEL, Bangalore	India	Ceramic Processing: Overview & Principles	05.00PM to 06.30PM
2	4/16/2020	Mr Anwar Hussain	Doosan Engg	Qatar	Professional Plus	05.00PM to 06.30PM
3	4/17/2020	Mr. Harsh Joshi	JSW-Toranagallu, Hospet	India	Refractories for Steel Plants	05.00PM to 06.30PM
4	4/18/2020	Sri. S Chandrashekhar	Refractories & Service, Bangalore	India	Refractory Installation Practice & API certification	05.00PM to 06.30PM
5	4/19/2020	Dr Purushotam Joshi, .	Inst.of Nano Tech	Portugal	"Infrared glasses and its applications"	05.00PM to 06.30PM
6	4/20/2020	Mr. Prakash Mugali,	Enerzi Systems, Belagavi (Karnataka)	India	"Microwave Processing of Ceramics"	05.00PM to 06.30PM
7	4/21/2020	Mr. R Vishwanathan	Clayman Refractories, Chennai	India	"Green building by Cool Roof Technology"	05.00PM to 06.30PM
8	4/22/2020	Prof. K. C .Patil ,	IISc, Bangalore	India	"Nanomaterials: Synthesis"	05.00PM to 06.30PM
9	4/22/2020	Dr. Dinesh Rangappa,	Center for Nano technology VTU , Bangalore	India	Nanomaterials: Processing & Applications	05.00PM to 06.30PM
10	4/23/2020	Prof. Palani Balaya,	NUS,	Singapore	"Lithium Ion Battery"	05.00PM to 06.30PM
11	4/24/2020	Dr. R N Basu,	Former Chief Scientist, CGCRI, Kolkata	India	"Ceramic Fuel Cells"	05.00PM to 06.30PM
12	4/25/2020	Sri Sabyasachi Roy	Ants Ceramics, Thane	India	"Advanced Ceramics& Processing"	05.00PM to 06.30PM
13	4/26/2020	Dr Anupal Sen	Intocast High-tech, Jamshedpur	India	"Refractories for Continuous casting of steel"	05.00PM to 06.30PM
14	4/27/2020	Dr Abinash Kumar,	Asst Prof, MIT	USA	"Electron Microscopy for Ceramics"	05.00PM to 06.30PM
15	4/28/2020	Sri Shankha Chatterjee	Almatis	India	"Synthetic Alumina Rawmaterials"	05.00PM to 06.30PM
16	4/29/2020	Sri T K Chakraborty,	Saint Gobin Glass,	India	"Advances in Glass"	05.00PM to 06.30PM
17	4/30/2020	Sri Hemant Mehta,	Neptune Industries, Gujurat	India	"Machinerics for Refractory & Technical ceramics"	05.00PM to 06.30PM
18	5/1/2020	Sri Sudipta Saha	H&R Johnson, Mumbai	India	,"Functional Tiles-continuous innovation"	05.00PM to 06.30PM

19	5/2/2020	Dr. Sumithra S	Cambridge Univ.	UK	"Li ion Battery materials-Processing"	05.00PM to 06.30PM
20	5/3/2020	Prof. Ashotosh Goel	Rutgers Univ.	USA	"Looking through the glass: A glimpse of its Science & Technology"	06.30PM to 08.00PM
21	5/9/2020	Dr. Nisha Singhania,	Thermax, Pune	India	Surface Charecterization by XRay Photoelectron Spectroscopy	06.30PM to 08.00PM
22	5/10/2020	Mr. Shivakumar Kadur	Owens Corning Inc,	USA	Introduction to Glass fiber manufacturing for composite applications	06.30PM to 08.00PM
23	5/16/2020	Mr. Sudip Bose	TATA Steels	India	Ceramics & Beyond: impactful innovation at the intersection of different materials	06.30PM to 08.00PM
24	5/16/2020	Dr. A Rajendra	ISRO	India	Multi functional Ceramic Coatings	06.30PM to 08.00PM
25	5/23/2020	Dr R Ramachandra Rao	CSIR-NAL, Bengaluru	India	Additive manufacturing of ceramics	06.30PM to 08.00PM
26	5/24/2020	Dr Amaresh R,	CCT department, PDACE, Kalaburagi	India	Calcium aluminate based smart coatings: Formation from powder reactants	06.30PM to 08.00PM
27	5/30/2020	Dr. K Annapurna	CGCRI	India	Speciality Glasses	06.30PM to 08.00PM
28	5/31/2020	Dr. Geetha Karavoor	Lex orbis, Banglore	India	Intelictual Property Rights	06.30PM to 08.00PM
29	6/6/2020	Dr Arjun Dey	ISRO, Bengaluru	India	Nano- Mechanical Charecterization	06.30PM to 08.00PM
30	7/6/2020	Dr Gary Lymath	Imerys	Thailand	Basics of Ceramic Rawmaterials	06.30PM to 08.00PM
31	6-13-2020	Dr Goutam Bhattacharya	Imerys, Kolkata	India	Calcium Aluminate Cement Technolog	06.30PM to 08.00PM
32	6-14-2020	Prof. Alope Kumar	IISc, Bangalore	India	Space Bricks	06.30PM to 08.00PM
33	6-20-2020	Dr.PRASANTA PANDA	CSIR-National Aerospace Laboratories, Bengaluru	India	Smart Ceramics	06.30PM to 08.00PM
34	6-21-2020	Mr. Muneesh Nagpal	CEO of Jagdish Electronics (JE), Bengaluru	India	NDT of Ceramics by Sonic resonance technique using DEPA software	06.30PM to 08.00PM
35	6-27-2020	Dr Roy Johnson	ARCI, Hyderabad.	India	Transparent Ceramics	06.30PM to 08.00PM
36	6-28-2020	Sri Tapas Kumar Haldar	Murugappa Morgan Thermal Ceramics Ltd	India	Advanced Thermal Insulation solutions	06.30PM to 08.00PM
37	7/4/2020	Mr. Sitendu Mandal	CSIR-Central Glass & Ceramic Research Institute, Kolkata	India	Speciality glasses for Strategic applications	06.30PM to 08.00PM
38	7/5/2020	Mr. Maharishi Samanta	Orient Bell Ltd	India	Sanitary wares - Technology & Innovations	06.30PM to 08.00PM
39	7/11/2020	Dr Kartik Pondicherry	Anton Paar India	India	Rheology of Ceramic Slurries	06.30PM to 08.00PM
40	7/12/2020	Mr. Prasad Gosavi	Anton Paar India	India	Surface charectization of Ceramics	06.30PM to 08.00PM
41	7/18/2020	Dr N V Ravi Kumar	IIT Madras	India	Designing ceramic microstructures for extreme environments	06.30PM to 08.00PM

42	7/19/2020	Dr Satish Nune	Pacific North Nat. Lab	USA	Engineered hybrid- porous Materials synthesis & applications	08.00PM to 09.00PM
43	7/25/2020	Dr MS Vijaya Kumar	University of Mysore	India	Material Synthesis at Zero gravity	06.30PM to 08.00PM
44	7/26/2020	Dr. Sam Weaver,	Proton Power Inc., Tennessee	USA	GRAPHENE production from biomass Gasification route	08.00PM to 09.00PM
45	7/31/2020	Mr Suryanarayana,	Glass, ISO & GMP consultant, Bangalore	India	ISO standards & Good Manufacturing Practice	06.30PM to 08.00PM
46	8/1/2020	Dr. Surojit Gupta	University of North Dakota, Grand Forks	USA	On the Design of Structural and Triboactive Composites Reinforced with Nanolaminates	08.00PM to 09.00PM
47	8/8/2020	Dr. Jayappa Manjanna	Rani Channamma University, Belagavi, Karnataka	India	Smectite Clay Minerals & Thier Applications	06.30PM to 08.00PM
48	8/9/2020	Dr A K Mukhopadhyay	Manipal University Jaipur.	India	Deformation & Fracture of Brittle Solids	06.30PM to 08.00PM
49	8/16/2020	Dr Utpal S Joshi	Gujarat University, Ahmedabad.	India	Magnetolectric composite ceramics: Novel functional materials	06.30PM to 08.00PM
50	8/30/2020	Dr C D Madhusoodana	CTI- BHEL, Bangalore	India	Pore Engineering' in Ceramics	06.30PM to 08.00PM

Some Photos taken during the lectures

The image shows a screenshot of a Google Meet video conference. The browser's address bar displays the URL `meet.google.com/ygr-ocke-hqc?authuser=0`. The top of the browser window shows several open tabs, including 'Inbox (4) - pawanrangdal@pd...', 'Meet - CERAMIC ONLINE L...', 'Meet Attendance 09/05/2020 -', 'Google', and '(8) WhatsApp'. The main content area is a grid of video feeds for participants. The top row includes Dr C D Madhusoodana, Shyam Rao, and Chandresh Agarwal. The middle row features subba rao Balabhadra (represented by a purple circle with 'S'), Shivanand hebbal (represented by an orange circle with 'S'), and Sagiraju Chandrashekar. The bottom row shows Palani Balaya, SURYANARAYANA B. R., and Dr Lalit Kumar Sharma. On the right side, a sidebar titled 'CERAMIC ONLINE LECTURE S...' lists 18 participants, including Reeta Barman, Ritesh Pandya, Rituparno Sen, SAGAR DEY, Sagiraju Chandrashekar, Sampath Kumar, Sandeep Sahi, Sandeep Verma, sandip yelane, Satyajit Shukla, Satyendra Kumar, Satyendra Sharma, and Seetharami Subramaniam. The Windows taskbar at the bottom shows the time as 6:39 PM on 05-Sep-20.

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meet.google.com/ygr-ocke-hqc?pli=1&authuser=1

Apps YouTube IIT-KGP New Tab :: Online Job Applic... CSMCRI Recruitme... Cyberoam Captive... URDIP Gas storage in poro... Co. Chemistry Vocabula... Eduwize - EMS

Dr C D Madhusoodana is presenting

Meet - CERAMIC ONLINE LE x Ceramic Quiz - Google Forms x +

meet.google.com/ygr-ocke-hqc

You are presenting

Up arrow icon

You're presenting to everyone

Stop presenting

Sitendu Mandal

CERAMIC ONLINE LECTURE ...

People (37) Chat (2)

- Dr C D Madhusoodana (You)
- Dr C D Madhusoodana (Your P...)
- Abhijna MR
- ANANDA KUMAR GOPI
- Anil Gupta
- anjan prothan
- Antara Baral
- Anup Singha
- Bikash Ghosh
- Dilip Jha

Sitendu Mandal

Dr C D Madhusoodana

Sagiraju Chandrashekar

Muraleedharan Kuttanel...

Jayappa Manjanna

Swapan Das

Santanu Bhuyan

Palani Balaya

Anil Gupta

People (37) Chat (2)

- Jayappa Manjanna
- Manoharan N G
- monika gajre
- Muraleedharan Kuttanellore
- Palani Balaya
- Pawan Rangdal Asst. Prof. CC...
- Prajeet Das
- premanath Murge
- Purushottam Joshi
- pushpa valli
- Rajababu Shah
- Rayasa RAMACHANDRA RAO

Type here to search

20:06 30-08-2020

8:06 PM 30-Aug-20

UTPAL JOSHI is presenting

Magnetoelectric composite ceramics : Novel functional materials



Utpal S. Joshi
Department of Physics,
University School of Sciences,
Gujarat University,
Ahmedabad-380009, India
* usjoshi@gujaratuniversity.ac.in

Online Lecture series : Ceramic Society of India, Karnataka Chapter, 16th August 2020, Bangaluru, India

CERAMIC ONLINE LECTURE SERIES ^



Participants visible in the grid:
Sourmayjit Makur
UTPAL JOSHI
sureshkumar dorairaj
Vijayadeva Reddy
SURYANARAYANA B. R.
Ashok Shukla
Shantkumar Biradar
Dinesh Rangappa

Meeting details

People (38) 14 Chat (6)

Add people

- P Pawan Rangdal Asst. Prof. CC...
- Abhinav Jakhotiya
- a ejit manohar
- AK. Gautam
- Akash Daniel Georgi
- a aniket vvit
- Ashok Shukla
- Aswathy M N
- Basavaraj Angadi
- c chemistry learner
- D Dinesh Rangappa


Meet - CERAMIC ONLINE LEC x Meet Attendance 2020-8-8 19:03 x (2) WhatsApp x

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Apps YouTube IIT-KGP New Tab Online Job Applic... CSMCRI Recruitme... Cyberoam Captive... URDIP Gas storage in poro... Chemistry Vocabula... Eduwize - EMS

Pushendra Kumar is presenting

Deformation and Fracture of Brittle Solids across Length Scales and Strain Rates: A Critical Assessment



A. K. Mukhopadhyay
Department of Physics
School of Basic Sciences, Faculty of Science
Mansarovar University, Jaipur
Jaipur 302007, Rajasthan, India
Contact: ,mukhopadhyay.anoop@gmail.com/09433910371

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People (68) 68 Chat (11)

Add people

- P Pawan Rangdal Asst. Prof. CC...
- Abhinav Jakhotiya
- A AISHWARYA jain
- AK. Gautam
- A Albertus Agung
- Amarjeet Kumar
- A Amit Mog
- Amiya P. Goswami
- Anil Gupta
- anjan prodhan
- Ariharan S, IIT-K
- Arjun Dey

Pushendra Kumar Dr C D Madhusoodana

Soumayjit Makur Vijayadeva Reddy

Vyn. cpri Rajababu Shah

Arjun Dey Kishor Kumar

Muralidhara Rao

6:42 PM
09-Aug-20

Meet - CERAMIC ONLINE LECTURE S... | Inbox (2) - pawanrangdal@pda... | My Drive - Google Drive | Inbox (3,480) - pawan.rangdal@... | New Tab


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“On the Design of Structural and Triboactive Composites Reinforced with Nanolaminates”

Surojit Gupta PhD
Department of Mechanical Engineering
University of North Dakota
Editorial Committee: JMEP, and AM&P (ASM International Journals)
Chair: Engineering Ceramics Division, the American Ceramics Society

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People (43) | Chat (7)

Add people

- P Pawan Rangdal Asst. Prof. CC...
- A Aakash Gupta
- Abhinav Jakhotiya
- abraocerabra badari
- AMAN KHAN
- Anil Gupta
- Ankit Sharma
- C Creativity Channel
- Daveshwar Singh
- D Dinesh Rangappa
- diya shah
- Dr C D Madhusoodana

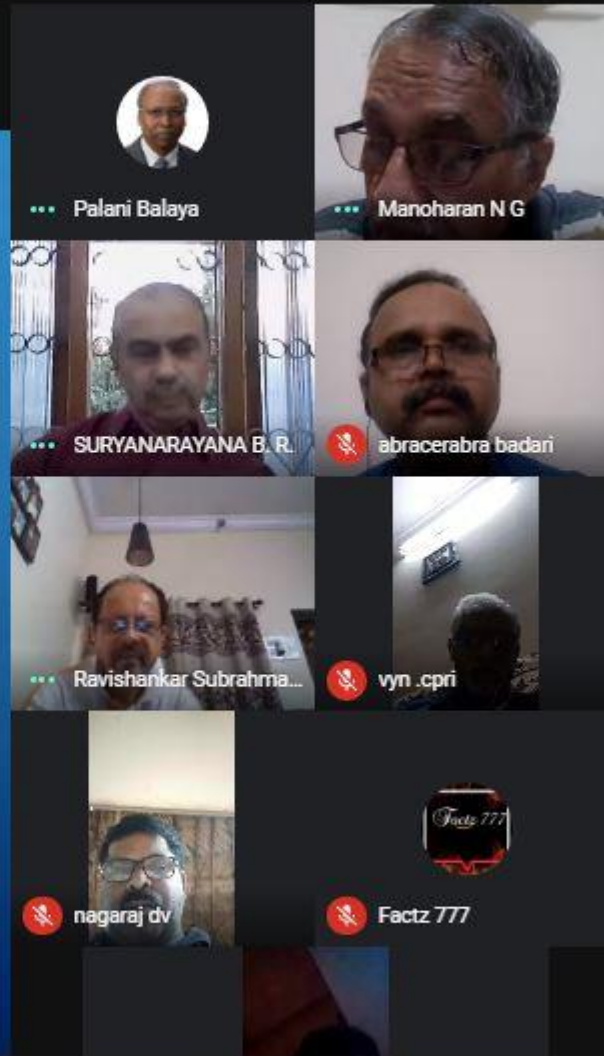
Presentation (Surojit G)

8:06 PM
02-Aug-20

S SURYANARAYANA B. R. is presenting



The slide features a blue background with a white circuit-like pattern on the left. At the top center is the logo of the Indian Ceramic Society (ICS), which includes a central figure and the text 'INDIAN CERAMIC SOCIETY' and '1928'. Below the logo, the text reads 'ICS online lectures' and '01 August 2020'. The main title is 'ISO & GMP SYSTEMS & STANDARDS: INTRODUCTION & OVERVIEW' in large yellow letters. On the left, there is a red square with the white 'ISO' logo. On the right, there is a blue square with the white 'WHO-GMP' logo. In the center, the presenter's name 'B R SURYANARAYANA' is listed, followed by his title 'ISO & GMP SYSTEM CONSULTANT, TRAINER, AUDITOR', location 'BENGALURU, KARNATAKA, INDIA', phone number '+919099050471', and email 'suryanarayana.br62@gmail.com'.



A grid of video thumbnails showing participants in the meeting. The thumbnails are arranged in a 4x2 grid. The names of the participants are: Palani Balaya, Manoharan N G, SURYANARAYANA B. R., abracera badari, Ravishankar Subrahma..., vyn_cpri, nagaraj dv, and Factz 777. The presenter, SURYANARAYANA B. R., is highlighted with a red 'X' icon.

CERAMIC ONLINE LECTURE S... X

People (35) 10 Chat (10)

Add people

- P Pawan Rangdal Asst. Prof. CC...
- A Abdul Hameed Koteswar
- Abhinav Jakhotiya
- A Abhishek Banerji
- abracera badari
- B Bazeer Ali Sharfudeen
- D Dinesh Rangappa
- Dr C D Madhusoodana
- Dr. N C Pramanik
- Factz 777
- K Kalyandurg Annapurna
- K Kaushik Biswas

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Vijay Kumar is presenting

Solidification: Equilibrium and non-equilibrium

Undercooling the melts below their melting/freezing temperature

Tokyo Metropolitan Univ.



Undercooled Water

People (59) 58 Chat (1)

Surajit Sarkar 7:03 PM
they just dont bother

M. Neelavarnam PRASANNA D SHIVARA...
Rokeya Mazumdar Ashwani Kant Bose
Vijay Kumar Dr. Rakesh Singh
vyn_cpri Rajababu Shah
Achint Jain

Send a message to everyone

7:05 PM
25-Jul-20

Seminar report - pawanrangdal@ x Meet - CERAMIC ONLINE LEC x WhatsApp x

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Jayappa Manjanna is presenting

Dilip Jha and 28 more 6:35 PM

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Devaraj B N has left the meeting

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Slide 1 of 84

Notes Comments

70%

Divakar Chennai vyn.cpri Koyar Rane Daveshwar Singh Dr C D Madhusoodana Murthy M Muralidhara Rao Jayappa Manjanna

S

6:35 PM 08-Aug-20



Smectite Clay minerals and their Applications

Dr. J. MANJANNA
 Professor & Chairman
 Dept. of Chemistry
 Rani Channamma University
 Belagavi 591 156, Karnataka
 Email: jmanjanna@rediffmail.com
 Ph.: +91 -99 1658 4954



Exchangeable Cations at the interlayer

$Na^+ nH_2O$

$Fe(II)-L$ (dco1)

10 - 22 Å

Stacked aluminosilicate layers