



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)
Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2020-2021

Dt: 18.01.2021

CIRCULAR

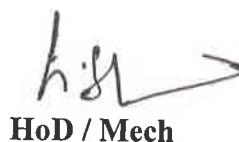
This is to inform that **FLUID POWER SOCIETY OF INDIA (FPSI)** will be organizing webinar on “**Predicting Cavitation in Pumps for Fluid Power Systems**”, on 22nd January 2021 (Friday) through online mode. Interested Students and Staff members are requested to attend the program.

Meeting Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDZiMTVkn2ItZGMyMy00ZDQ5LTlmYTctNzVmMGZmZjcxNWM5%40thread.v2/0?context=%7b%22Tid%22%3a%22ebf5bad8-5ab4-45e6-a6d6-38d1bb55d542%22%2c%22Oid%22%3a%228a334a7c-7a68-4b41-8718-cdbba8520139%22%2c%22IsBroadcastMeeting%22%3a%22true%22%7d


FPSI-Coordinator

Dr. V. KANDAVEL, B.E., M.E., Ph.D.,
Department of Mechanical Engineering


HoD / Mech

Dr. G. SANKARANARAYANAN M.E., Ph.D.,
Professor and Head,
Department of Mechanical Engineering,
SSM Institute of Engineering and Technology,
Sindhalagundu (P.O.), Dindigul - 624 002.



Principal

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002.



Dr. V. Kandavel <vkvel1020@gmail.com>

FPWS-15 Webinar on "Predicting Cavitation in Pumps for Fluid Power Systems"

2 messages

Head Secretariat <headsecretariat@fpsindia.net>
To: "fpsi.regd@gmail.com" <fpsi.regd@gmail.com>

Thu, Jan 21, 2021 at 1:24 PM

Dear Sir/Madam,

We welcome you to join the 15th webinar in our **Fluid Power Webinar Series (FPWS)**.

- Topic **"Predicting Cavitation in Pumps for Fluid Power Systems"**
- On 22nd January 2021, Friday, 4pm to 5pm,
- Presented by **Dr. Shyam Sundar, Lead Application Engineer, Simerics Inc.**

Meeting Link is given below.

Introducing the Presenter

Dr. Shyam Sundar
Lead Application Engineer, Simerics Inc.

Dr. Shyam Sundar has been with Simerics Inc. as their Lead Application Engineer for the last four years. Previously he was with GE India for 10 years working on Simulations.

He is an expert in system level 3D simulations involving pumps, valves, bearings, heat exchangers, etc., for fluid power applications.

Meeting Link:

https://teams.microsoft.com/join/19%3ameeting_ZDZiMTVkn2ltZGMyMy00ZDQ5LTImYTctNzVmMGZmZjcxNWM5%40thread.v2/0?context=%7b%22Tid%22%3a%22ebf5bad8-5ab4-45e6-a6d6-

3/9/2021

Gmail - FPWS-15 Webinar on "Predicting Cavitation in Pumps for Fluid Power Systems"

38d1bb55d542%22%2c%22Oid%22%3a%228a334a7c-7a68-4b41-8718-cdbba8520139%22%2c%22IsBroadcastMeeting%22%3atrue%7d

Warm Regards,

Elizabeth

Administrative Executive



Fluid Power Society of India ®

#239, Unit No. S-21, 2nd Floor, SNS Chambers
Sankey Road, Sadashivnagar, Bangalore 560080
Ph 080-23600917 Mobile +91 99865 04001
e-Mail: secretariat@fpsindia.net
Web: www.fpsindia.net
Linked In: linkedin.com/company/fluid-power-society-of-india

Are you an FPSI member? Get in touch with us immediately to be a part of this ever-growing network of fluid power professionals!

KANDAVEL.V <vkvel1020@gmail.com>

To: hod mechssmiet <hodmechssmiet@gmail.com>

Thu, Jan 21, 2021 at 4:46 PM

[Quoted text hidden]

4 attachments



image001.jpg
2K



image003.jpg
7K



image003.jpg
7K



image001.jpg
2K



Department of Mechanical Engineering

Student Name List

Event Name: Predicting Cavitation in Pumps for Fluid Power Systems

Date: 22.01.2021

S.No.	Reg.no.	Student Name	S.No.	Reg.no.	Student Name
1	922119114001	AJAY K	14	922119114024	PRADEEP .V
2	922119114003	ARAVIND S	15	922119114025	PRAKASH.S
3	922119114005	ARUNPRASAD S	16	922119114026	PRAVEEN KUMAR.J
4	922119114008	BARATH S	17	922119114029	RAJA .M
5	922119114010	HARIPRASANTH M	18	922119114032	SAMBATH KUMAR .P
6	922119114011	JAGADHEESH N	19	922119114036	SASIKUMAR.N
7	922119114012	JOEL PETER S	20	922119114037	SATHISH .A
8	922119114013	JOSHUA PRINCE S	21	922119114301	AJEETH G
9	922119114016	KESAVAN N	22	922119114302	DINESH BABU S
10	922119114017	KRISHNAKANTH J	23	922119114304	EMMAN ADAIKALA RAJ V
11	922119114020	NAGARAJ B	24	922119114305	MUKESH B
12	922119114021	NAVEEN .S			
13	922119114022	NAVEEN KUMAR V			



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)
Dindigul- Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING (FLUID POWER SOCIETY OF INDIA®)

Event Date : 22nd January 2021
Name of the Event : Predicting Cavitation in Pumps for Fluid Power Systems
Resource person : Dr. Shyam Sundar Lead Application Engineer, Simerics Inc
No. of students attended / benefitted: 24

About the Topic

Pumps are essential machinery in the various industries. With the development of high-speed and large-scale pumps, especially high energy density, high requirements have been imposed on the vibration and noise performance of pumps, and Cavitation is an important source of vibration and noise excitation in pumps, so it is necessary to improve pumps Cavitation performance.

When Cavitation occurs in the pump, it will also result in surface metal erosion of the hydraulic components. The surface erosion reduces the energy delivery efficiency and causes high maintenance costs. The performance degradation of the pump will also affect the stability of the pump system, and serious threat to the safety operation.

An energy conservative method is used to predict the Cavitation erosion aggressiveness on a surface. This method is based on the potential energy hypothesis, but it allows for the special and temporal focusing of the potential energy during the collapse of cavitating pumps for Fluid Power Systems

Event Name : Predicting Cavitation in Pumps for Fluid Power Systems

S.No:	Register Number	Name of the student	Feedback about the Event [Information provided at this event is relevant to you]	Feedback about the Event [You are likely to use this information in the future]	Feedback about the Event [Presentations were interesting]	Feedback about the Event [You would recommend this event to]	Feedback about the Event [Overall, the event was worthwhile]	Feedback about the Event [The venue was suitable]
1	922119114001	AJAY K	5	5	4	5	4	5
2	922119114003	ARAVIND S	5	5	5	5	5	5
3	922119114005	ARUNPRASAD S	5	4	5	5	5	4
4	922119114008	BARATH S	5	5	5	5	5	5
5	922119114010	HARIPRASANTH M	5	5	5	4	4	4
6	922119114011	JAGADHEESH N	5	5	5	5	5	5
7	922119114012	JOEL PETER S	3	4	4	4	4	4
8	922119114013	JOSHUA PRINCE S	5	5	5	5	5	5
9	922119114016	KESAVAN N	4	4	3	4	4	4
10	922119114017	KRISHNAKANTH J	3	4	4	4	5	3
11	922119114020	NAGARAJ B	5	5	5	5	5	5
12	922119114021	NAVEEN .S	5	5	5	4	4	4
13	922119114022	NAVEEN KUMAR V	5	5	5	5	5	5
14	922119114024	PRADEEP .V	5	5	5	5	5	5
15	922119114025	PRAKASH.S	5	5	5	5	5	5
16	922119114026	PRAVEEN KUMAR.J	5	5	5	5	5	5
17	922119114029	RAJA .M	4	4	4	4	4	4
18	922119114032	SAMBATH KUMAR .P	5	5	5	5	5	5
19	922119114036	SASIKUMAR.N	3	3	3	4	4	4
20	922119114037	SATHISH .A	1	3	1	1	1	1
21	922119114301	AJEETH G	5	5	5	5	5	5
22	922119114302	DINESH BABU S	4	4	4	4	4	4
23	922119114304	EMMAN ADAIKALA RAJ V	4	4	4	4	4	4
24	922119114305	MUKESH B	5	5	5	5	5	2