

FACILITIES PROVIDED FOR THE PARTICIPANTS

- Seminar Proceedings in CD
- Transport to participants from Chennai by college bus & back
- Working Lunch

NOTE:

The outstation participants are requested to make their own arrangements for stay in Chennai. No TA/DA will be paid.

IMPORTANT DATES

Last date for Registration (only through email)# : 30-08-2016

Last date for intimation of selection

(on or before)

: 02-09-2016

Confirmation of Participation

: 05-09-2016

#Please send the filled and signed registration form (scanned copy) to the below mentioned email id.



ADDRESS FOR CORRESPONDENCE

The Co-Ordinator,

“Technological Advancements in Fuel Cell Research”

Department of Chemical Engineering,
Sri Venkateswara College of Engineering,
Pennalur, Irungattukottai post,
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Sri Venkateswara College of Engineering

(Autonomous – Affiliated to Anna University, Chennai)

Organizes

A Two days national level seminar on

TECHNOLOGICAL ADVANCEMENTS IN FUEL CELL RESEARCH

on

9th & 10th September, 2016

In honour of being adjudged the

‘AMBUJA’S IICChE - BEST STUDENT CHAPTER AWARD-2015’

from the Indian Institute of Chemical Engineers for 2015

Chief Patron

Prof. M. SIVANANDHAM, Secretary, SVEHT

Patron

Prof. S. GANESH VAIDHYANATHAN, Principal, SVCE

Convener

Dr. N. MEYYAPPAN, Professor & Head of the Department
Department of Chemical Engineering

C -ordinators

Dr. D. SWAMINATHAN and Dr. R. GOVINDARASU

Associate Professors, Dept. of Chemical Engineering

Organized by



Department of Chemical Engineering &
IICChE- SV E Students Chapter

Sri Venkateswara College of Engineering,
Pennalur, Sriperumbudur TK- 602 117

ABOUT THE INSTITUTE

Sri Venkateswara College of Engineering (SVCE), one of the premier technical autonomous institutions in Tamilnadu, was established in 1985. The College is situated on the Chennai – Bengaluru National Highway (NH4) about 37 km south-west of Chennai. The college offers 10 UG programmes and 10 PG programmes. The National Board of Accreditation accredited many of the eligible programmes, and SVCE is an ISO 9001:2008 certified institution.

ABOUT THE DEPARTMENT

The Department of Chemical Engineering was started in the year 1994 under the guidance of our Chairman Dr. A.C. Muthiah, a well-known Industrialist. The department currently offers a 4-years B. Tech and 2-years M. Tech programme in Chemical engineering. The programme is approved by AICTE and accredited by National Board of Accreditation (NBA), AICTE, New Delhi. The department has the state-of-the-art infrastructure facilities for academic and research needs. All the laboratories are fully equipped with latest equipments and advanced software packages like FLUENT 14.5, HYSYS, PROSIM, MATLAB and LabVIEW. It also has an exclusive industrial “Distributed Control System” (DCS) in the process control laboratory. The department has been recognized as a Research Centre by Anna University for MS/PhD programmes from 2011. In addition, the department also has a CTS sponsored Process Modeling and Simulation Laboratory. The department has qualified & experienced faculty and staff members, backed by modern infrastructural facilities. The department is also engaged in research activities in the wide areas of Chemical Engineering, Environmental Engineering, Fuel Cell, Process Control and other related areas. The department organizes a National Level Student Technical Symposium “PANSOPHY” every year and also organizes STTP/ FDP/ Seminars/ Workshops periodically. The IChE-SVCE student chapter of the department has been adjudged nine times at the national level for the Best Student Chapter Award. The department has also been granted four MODROBS projects, a RPS Project and a seminar grant by AICTE since inception. In 2011-12 Rs.14.39 lakhs was sanctioned under MODROBS scheme for the “*Modernization of Heat Transfer Operations Laboratory*”.

In 2012-13, Rs.4.77 lakhs has been sanctioned under AICTE-RPS to carryout research on the “*Dynamic Modeling & Control of Direct Methanol Fuel Cells*”. In May 2013, the department received a seminar grant for 1.75 lakhs and organized an AICTE - FDP on “*Contemporary Research and Practices in Pollution Elimination Systems Towards Cleaner Environment*”. In June 2015, the department again received a seminar grant for 1.8 lakhs and organized an AICTE-Seminar on Advances in Computational Methods for Simulation of Transport Processes in Engineering. In July 2015, the department received a project grant from DST-SERB worth 19.6 lakhs for a period of 3 years to carryout research on “*Studies on the Effect of Different Metabolic Uncouplers on the Specific Degradation Rate of Toluene in a Biofilm Reactor*”.

THEME

The seminar is targeted to update the technological advancements made globally in the areas of both electrochemical and microbial fuel cell.

Major topics planned to be covered are:

- Polymer Electrolyte Membrane Fuel Cells (PEMFC)
- Direct Methanol Fuel Cells (DMFC)
- Solid Oxide Fuel Cells (SOFC)
- Phosphoric Acid Fuel Cells (PAFC)
- Fuel Cell Vehicle Modeling and Design
- Microbial Fuel Cells (MFC)
- Enzymatic Bio- Fuel Cells (EBFC)
- Application of Nanotechnology in Fuel Cell Research

RESOURCES PERSONS

Eminent faculty members from premier institutions like IIT, NIT, Anna University, various reputed institutions, Researchers/ Experts from various organization across the country and technocrats from leading industries.

PARTICIPANTS

Faculty members, students from the department of Chemical Engineering, Biotechnology, Biomedical Engineering, Food Engineering, Environmental Engineering, Electrical and Electronics Engineering, Electrical and Instrumentation Engineering from engineering institutions. Industrial participants are also welcome to participate in this seminar.

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF CHEMICAL ENGINEERING

21st September, 2016

REPORT

On

Two Days National Level Seminar on
Technological Advancements in Fuel Cell Research (TAFCR)

The Department of Chemical Engineering, Sri Venkateswara College of Engineering organized a Two Days National Level Seminar on “**Technological Advancements in Fuel Cell Research (TAFCR)**”, during September 9th & 10th-2016, in honor of being adjudged Ambuja Best Student Chapter-2015 for the 9th time by the Indian Institute of Chemical Engineers, Kolkatta.

The objective of the program is to highlight the recent trends in field of fuel cell research around the globe in order to improve the understanding of the same among the fuel cell researchers in and around various institutions/organizations in India. The seminar is targeted to update the technological advancements made globally in the areas of both electrochemical and microbial fuel cells.

19 participants had registered and participated in this two days national seminar (both students and faculty members). They are from nearby colleges in Chennai which include Panimalar Engineering College (6), Sathyabama University (4), Arulmigu Meenakshi Amman College of Engineering (3), Alagappa College of Technology (5) and Dr. MGR University (1). In addition to these, 33 of our students and 21 of our faculty members had registered and participated in this two days national seminar. In total, we had 73 participants for this two days seminar.

The seminar was inaugurated by Dr. Manoj Kumar Dubey, Joint Director, Indian Plywood Industries Research & Training Institute-Bengaluru, and delivered the inaugural address. Valedictory address was delivered by Dr. E. Nakkeeran, Professor & Head, Department of Biotechnology, SVCE and distributed the certificates to the participants. The detailed technical programme schedule is tabulated below. Six invited lectures were given by senior academicians and scientists on the current challenges in industries and innovations in the area of fuel cell

research. Based on the feedback received from the participants, we trust that the two days seminar provided them a forum to exchange ideas with experts drawn from diverse fields.

Technical Programme

9th SEPTEMBER, 2016 (FRIDAY)

TIME	PROGRAM
10.00 am-10.20 am	Inaugural Address by Chief Guest Dr. Manoj Kumar Dubey Joint Director Indian Plywood Industries Research & Training Institute, Bengaluru. <i>(Ministry of Environment, Forest & Climate change, Govt of India)</i> “Need for Alternative Energy and Indian Government’s Initiatives”
11.00 am-12.00 pm	Seminar I Dr. Santhosh Kumar D Bhat Senior Scientist Central Electrochemical Research Institute- Chennai unit on “Recent Advances in Membrane Electrolytes for Polymer Electrolyte Fuel Cells”
1.00 pm - 2.00 pm	Seminar II Dr. RM. Meyyappan, Professor Department of Chemical Engineering, Annamalai University, Chidambaram on “Current Status of Carbon Capture and Biomass Fuel Cell Power System”
2.15 pm - 3.15 pm	Seminar III Dr. A. Samson Nesaraj, Professor Department of Chemistry, Karunya University, Coimbatore on “ Recent Advancements in the Intermediate Solid Oxide Fuel Cell (ITSOFC) Research in India”

10th SEPTEMBER, 2016 (SATURDAY)

TIME	PROGRAM
9.30 am-10.30 am	<p align="center">Seminar IV Dr. N. Rajalakshmi Senior Scientist and Team leader Centre for Fuel Cell Technology, IIT Madras Research Park, Chennai on “ Recent Advancements in Diagnostic Tools for Proton Exchange Membrane Fuel Cells (PEMFC)”</p>
11.00 am-12.00 pm	<p align="center">Seminar V Dr. K. Pandian Associate Professor Department of Inorganic Chemistry, University of Madras, Chennai on “Recent advancements in Polymer Fuel cells”</p>
1.00 pm - 2.00 pm	<p align="center">Seminar VI Dr. M. Matheswaran Assistant Professor Department of Chemical Engineering, NIT, Trichy on “Microbial Fuel Cells”</p>
2.35 pm-2.45 pm	<p align="center">Valedictory address by Chief Guest Dr. E. Nakkeeran Professor & Head Department of Biotechnology Sri Venkateswara College of Engineering</p>



Dr. R. Palani
Associate Professor
Department of Chemical Engineering
Sri Venkateswara College of Engineering



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Professor & HOD
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Tamil Nadu, INDIA.

Attendance 9th September, 2016 (Friday)

Sl.no.	NAME OF PARTICIPANTS	
1		
2	NANDHA KUMAR V	A.K.V.
3	NARASIMHAN T A	Narasimhan
4	NAVIN T R G	Navin
5	NIKHIL LAKSHMAN R	Nikhil Lakshman
6	NIRMAL KUMAR V	Nirmal
7	NIRUBAN P D	Niruban
8	NITHISH KUMAR U	Nithish Kumar
9	PARTHASARATHY A	Parthasarathy
10	PRADEEPKUMAR R	Pradeep
11	PRAKASH ABU R	Prakash Abu
12	PRANAV N	Pranav
13	PRAVEEN KUMAAR R	Praveen
14	PRAVEEN S	Praveen
15	PUGAZHENDHI L B	Pugazhendhi
16	RAAGHUL R	Raaghul
17	RAHUL M	Rahul
18	RAMANAA T	Ramana
19	RAYYAN RAMEEZUDDIN R	Rayyan
20	REVATHI S	Revathi
21	RISHIKHESH J	Rishikesh
22	ROHITH SUDARSHAN P	Rohith
23	RUBHA SREE J	Rubha
24	SAGARIKA SHIVAKUMAR	Sagarika
25	SAM YESHWANTH B	Sam
26	SANJAI S	Sanjai
27	SANJEEVI E	Sanjeevi
28	SANTHOSH KUMAR S	Santhosh
29	SARAN G	Saran
30	SARVESH S	Sarvesh
31	SATHIVAN K	Sathivan
32	SELVARAJ M	Selvaraj
33	SESHAN R	Seshan
34	SESHAN R	Seshan
35	SHALINI S	Shalini
36	SHARATH RAMESH	Sharath
37	SHRUTI KRISHNA R	Shruti
38	SIDDHARTH SHANKAR V	Siddharth
39	SINDHUJA S	Sindhuja
40	SIVASHUMUGAM A	Sivashumugam
41	SOWBHAGYA S	Sowbhagya
42	SRIRAM S	Sriram
43	SUDHARSHAN B	Sudharshan
44	SUNEEL CHOWDURY T P	Suneel
45	SURENDRAN J	Suren
46	TONY W	Tony
47	UKRU MUNISLUITH	Ukru
48	VIGNESH K	Vignesh
49	VIJAY M	Vijay
50	VISHNU ALAGAPPAN SEVUGAN	Vishnu
51	VYAS K S	Vyas
52	VIGNESH KUMAR R	Vignesh
53	AARTH ARUL	Aarth
54	ABIRAMI P	Abirami
55	ADHITHAN S	Adhithan
56	ADITHYA B	Adithya
57	ADITYA SHARMA	Aditya
58	AJAY KUMAR M	Ajay
59	AJITH KUMAR N	Ajith
60	AJITH KUMAR S	Ajith
61	AKSHAY S L	Akshay
62	AKSHAYA T	Akshaya
63	ANAND N	Anand
64	ANANTHARAM V	Anantharam
65	ANANYA R	Ananya
66	ARAVIND M	Aravind
67	AROREBIN A	Arorebin
68	ATHARSH S S	Atharsh
69	BALAJI R	Balaji
70	BARATH K R	Barath
71	BASKARAN N	Baskaran
72	DAYANAND S	Dayanand
73	DEEPIKA V	Deepika
74	DHANUSH KODI S	Dhanush
75	DHINESHKUMAR P	Dhinesh

N. Meeyappan

HOD-CH

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Attendance 10th September, 2016 (Friday)

Sl.no.	NAME OF PARTICIPANTS	
1		
2	NANDHA KUMAR V	N.K.
3	NARASIMHAN T A	N.A.
4	NAVINT R G	N.R.G.
5	NIKHIL LAKSHMAN R	N.L.
6	NIRMAL KUMAR V	N.K.V.
7	NIRUBAN P D	N.P.D.
8	NITHISH KUMAR U	N.K.U.
9	PARTHASARATHY A	P.A.
10	PRADEEPKUMAR R	P.R.
11	PRAKASH BABU R	P.B.R.
12	PRANAV N	P.N.
13	PRAVEEN KUMAAR R	P.K.R.
14	PRAVEEN S	P.S.
15	PUGAZHENDHI L B	P.L.B.
16	RAAGHUL R	R.R.
17	RAHUL M	R.M.
18	RAMANAA T	R.T.
19	RAYAN RAMEEZUDDIN R	R.R.
20	REVATHI S	R.S.
21	RISHIKHESH J	R.J.
22	ROHITH SUDARSHAN P	R.S.P.
23	RUBHA SREE J	R.S.J.
24	SAGARIKA SHISAKUMAR	S.S.
25	SAM YESHWANTH B	S.Y.B.
26	SANJAY S	S.S.
27	SANJEEVI E	S.E.
28	SANTHOSH KUMAR S	S.K.S.
29	SARAN G	S.G.
30	SARVESH S	S.S.
31	SATHIYAN K	S.K.
32	SELVARAJ M	S.M.
33	SESHAN R	S.R.
34	SHALINI S	S.S.
35	SHARATH RAMESH	S.R.
36	SHRUTI KRISHNA R	S.K.R.
37	SIDDHARTH SHANKAR V	S.S.V.
38	SINDHUJA S	S.S.
39	SIVASHRINIVASAM A	S.A.
40	SOWDHAGYA S	S.S.
41	SRIKAM S	S.S.
42	SUCHIARASAN R	S.R.
43	SUNEEL CHOWDURY T P	S.C.T.P.
44	SURENDHAR J	S.J.
45	TORY W	T.W.
46	TRIKU MUNISWATH	T.M.
47	VIGNESH K	V.K.
48	VIJAY M	V.M.
49	VISHNU ALAGAPPAN SIVUGAN	V.A.S.
50	VYAS K S	V.K.S.
51	VIGNESH KUMAR K	V.K.K.
52	AARTHI AREL	A.A.
53	ABIRAMI P	A.P.
54	ADHITHAN S	A.S.
55	ADITHYA B	A.B.
56	ADITYA SHARMA	A.S.
57	AJAY KUMAR M	A.K.M.
58	AJITH KUMAR N	A.K.N.
59	AJITH KUMAR S	A.K.S.
60	AKSHAY S L	A.S.L.
61	AKSHAYA T	A.T.
62	ANAND N	A.N.
63	ANANTHARAM V	A.V.
64	ANANYA R	A.R.
65	ARAVIND M	A.M.
66	AROREBIN A	A.A.
67	ATHARSH S S	A.S.S.
68	BALAJI R	B.R.
69	BARATH K R	B.K.R.
70	BASKARAN N	B.N.
71	DAYANAND S	D.S.
72	DEEPIKA V	D.V.
73	DHANUSH KODI S	D.K.S.
74	CHINESHKUMAR P	C.K.P.

Few Pictures from the “Two Days National Level Seminar on Technological Advancements in Fuel Cell Research” held on 9th and 10th September, 2016 at SVCE.

Inaugural Session Photos



Valedictory Session Photos



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