



FIRST NATIONAL CONFERENCE

I
N
D
U
S
T
R
I
A
L

T
R
I
B
O
L
O
G
Y

December 1974

MADRAS

Sponsored by

Indian Society for Industrial Tribology

Indian Oil Corporation Ltd.

National Productivity Council

Lubrizol (India) Ltd.

and

Indian Institute of Tehnology, Madras

CONFERENCE INFORMATION

Patrons

K. T. CHANDY
Chairman
National Productivity Council &
Indian Institute of Technology, Madras.

Y. NAYUDAMMA
Director General
Council of Scientific & Industrial Research

M. G. KRISHNA
Chairman
Lubrizol (India) Ltd.

President, I. S. I. T.

S. P. LUTHRA
Professor of Mechanical Engineering
I. I. T., Delhi.

Chairman, I. S. I. T. South Zone

R. K. GEJJI
Director
C. M. T. I., Bangalore

Secretary, I. S. I. T.

J. P. SHARMA
Head, Tribology Division
I. I. T., Delhi

A. RAMACHANDRAN
Secretary
Dept. of Science & Technology
Govt. of India

C. R. DAS GUPTA
Chairman
Indian Oil Corporation Ltd.

Conference Chairman

K. A. V. PANDALAI
Director
I. I. T., Madras

Conference Co-Chairman

S. SAMPATH
Deputy Director
I. I. T., Madras

Convenor-Secretary FNCIT 1974

B. V. A. RAO
Professor of Machine Dynamics
I. I. T., Madras

Convenor Joint Secretary FNCIT 1974

GEORGE JOHN
Technical Services Manager
I. O. C. Ltd., Madras

FIRST NATIONAL CONFERENCE IN INDUSTRIAL TRIBOLOGY, December 18-21, 1974
NATIONAL ORGANISING COMMITTEE

1. S. P. Luthra,
President,
Indian Society for Industrial
Tribology, I.I.T. Delhi.
2. M. G. Krishna,
Director,
Fuel Research Institute,
Dhanbad.
3. R. K. Gejji,
Director,
Central Machine Tool Institute,
Bangalore.
4. M. S. Nadkarni,
Managing Director,
Madras Refineries Ltd., Madras.
5. J. P. Dalal,
Managing Director,
Lubrizol (India) Ltd., Bombay.
6. A. K. De,
Director,
I. I. T., Bombay.
7. K. A. V. Pandalai,
Director,
I. I. T., Madras.
8. J. S. Ahluwalia,
Head, R. & D.,
Indian Oil Corporation Ltd.,
Faridabad.
9. P. R. Srinivasan,
Director (FE & TS),
National Productivity Council,
New Delhi
10. C. Y. V. Rao,
Regional Manager,
Indian oil Corporation Ltd.,
Madras.
11. S. Sampath,
Deputy Director,
I.I.T., Madras,
12. M. V. V. Raman,
Regional Director,
National Productivity Council,
Madras.
13. M. K. Bhargava,
Managing Director,
Chemoleums Pvt. Ltd.,
Madras.
14. R. C. Malhotra,
Prof. of Applied Mechanics,
I.I.T. Delhi.
15. George John,
Manager (Tech. Services),
Indian Oil Corporation Ltd., Madras.
16. J. P. Sharma,
Head, Tribology Division,
I.I.T., Delhi.
17. R. A. Rao,
Engineer (Tech Services),
Lubrizol (India) Ltd., Bombay.
18. J. B. Shukla,
Asst. Prof., of Mathematics,
I. I. T., Kanpur.
19. R. A. Padmanabhan,
Scientist,
C. M. E. R. I., Durgapur.
20. B. V. A. Rao,
Professor and Head,
Machine Dynamics laboratory,
I.I.T., Madras.

LOCAL ARRANGEMENTS COMMITTEE

Organisation and Programme Committee

1. K. A. V. Pandalai
2. S. P. Luthra
3. R. K. Gejji
4. S. Sampath
5. M. K. Bhargava
6. P. R. Srinivasan
7. M. V. V. Raman
8. J. S. Ahluwalia
9. C. Y. V. Rao
10. P. M. Nithyanandan
11. R. A. Rao
12. J. P. Sharma
13. V. C. Venkatesh
14. G. Bapaiah
15. J. Pattabiraman
16. P. Kamaraju
17. George John (*Convenor-Joint Secretary*)
18. B. V. A. Rao (*Convenor-Secretary*)

Arrangements, hospitality & Reception Committee

1. M. K. Bhargava
2. George John
3. B. V. A. Rao
4. G. V. N. Rayudu
5. B. S. Prabhu
6. P. Kamaraju
7. V. Kamala
8. Waheed Ahmed Sayeed
9. A. T. Sridharan
10. C. Radhakrishnan
11. V. Ramakrishnan
12. S. Swarnamani
13. A. S. Hariprasad

Publications Committee

1. S. Sampath
2. S. D. Nigam
3. N. V. C. Swamy
4. V. C. Venkatesh
5. B. S. Prabhu
6. S. T. N. Swamy
7. P. V. Ramanamurti
8. A. Venkatesh
9. S. V. Mandke
10. S. Srinivasaraghavan
11. A. S. Hariprasad
12. S. Ramanujam
13. B. S. Balasundaram
14. V. R. Ganesan
15. P. S. D. Prasada Rao
16. G. Bapaiah (*Jt. Secretary*)
17. J. Pattabiraman (*Jt. Secretary*)
18. B. V. A. Rao (*Secretary*)

14. B. S. Ramprasad
15. M. C. James
16. G. Bapaiah
17. S. T. N. Swamy
18. J. Pattabiraman
19. S. Ramanujam
20. S. Rammohan
21. S. Srinivasaraghavan
22. P. M. Pushparaj
23. P. H. Daniel
24. E. Balaraman
25. C. R. Subramanian (*Secretary*)
26. N. Ganesan (*Secretary*)

Donors

1. Department of Science and Technology, Government of India, New Delhi.
2. Council of Scientific and Industrial Research, New Delhi.
3. Madras Type Foundry, Madras.

Host Organisations

1. Madras Rubber Factory Ltd., Madras.
2. Madras Refineries Ltd., Manali, Madras.
3. Madras Fertilizers Ltd., Manali, Madras
4. Indian Oil Corporation Ltd., Madras.
5. Tide Water Oil Company Ltd., Madras.
6. Sakthi Pipes Ltd., Madras.

Advertisers

1. Kirlosker Electric Company Ltd., Bangalore.
2. Madras Refineries Ltd., Madras.
3. Central Machine Tool Institute, Bangalore.
4. Indian Oil Corporation Ltd., Bombay.
5. Shavo-Norgren (India) Pvt. Ltd., Bombay.
6. Chemoleums Private Ltd., Madras.
7. Bhukhanvala Diamond Tools Pvt. Ltd., Bombay.
8. Madras Rubber Factory Ltd., Madras.
9. Madras Machine Tool Manufactures Ltd., Coimbatore.
10. Tata Consulting Engineers, Bombay.
11. Shri Aruna Automobiles, Kakinada.
12. Hindustan Petroleum Corporation Ltd., Madras.
13. Caltex Oil Refining (India) Ltd., Visakhapatnam.
14. J. & P. Coats (India) Pvt. Ltd., Koratti, Kerala.
15. The Sirpur Paper Mills Ltd., Sirpur, Andhra Pradesh.
16. Coromandel Fertilizers Ltd., Visakhapatnam.
17. Parry & Co., Ltd., Madras.
18. Friction Control Products and Services Co., Madras.
19. Armatic, Bangalore.
20. Kesari Printing Works. & Modern Graphics
21. Balmer—Lawrie Co., Ltd., Calcutta.
22. Lucas—T. V. S. Ltd., Madras.
23. Greaves Cotton & Co., Ltd., Bombay.