**SECTION-III**

**(*Mechanical Engineering)***

**ACADEMIA**

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| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Agarwal, AK | 1972 | Internal Combustion Engines |
|  | Agrawal, Amit | 1974 | Fluid Mechanics, Heat Transfer |
|  | Ananthasuresh, GK | 1967 | Compliant Mechanisms, Bio-design |
|  | Arakeri, JH | 1956 | Fluid Mechanics; Heat Transfer |
|  | Balaji, C | 1968 | Heat Transfer; Optimization in Thermal Sciences |
|  | Balasubramaniam, Krishnan | 1962 | Mechanical Engineering; Applied Mechanics |
|  | Basu, SB | 1976 | Multiphase Flows and Heat Transfer; Droplet Combustion |
|  | Bhattacharyya, Bijoy | 1958 | Advanced Manufacturing Technology; Micromachining |
|  | Bhattacharyya, Souvik | 1959 | Thermal Sciences; Refrigeration |
|  | Biswas, Gautam | 1956 | Heat Transfer and Fluid Mechanics |
|  | Chakraborty, Suman | 1973 | Thermo-Fluid Sciences and Engg and its applications to materials processing; Microfluidices and Micro/Nano-scale transport processes |
|  | Chatterjee, Anindya | 1966 | Dynamics; Applied Mechanics |
|  | Chattopadhyay, AB | 1943 | Machining & Grinding; Cutting Tools |
|  | Das, PK | 1962 | Multiphase Flow; Heat Transfer |
|  | Das, SK | 1963 | Heat Transfer; Fluid Mechanics |
|  | Datta, Amitava | 1966 | Combustion; Thermal Engineering |
|  | Date, AW | 1945 | Thermo-Fluid Science, Choice of Technology |
|  | Deb, Anindya | 1962 | Impact and Crash Safety Design; Computer-Aided Engineering |
|  | Deb, Kalyanmoy | 1962 | Optimization; Design |
|  | Deshmukh, SG | 1959 | Industrial Engineering; Operations Management |

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| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Dhande, SG | 1948 | Engineering Design, Computational Geometry |
|  | Dutta, Pradip | 1960 | Heat Transfer; Manufacturing Processes |
|  | Eswaran, Vinayak | 1959 | Fluid Mechanics (Computational); Heat Transfer (Computational) |
|  | Ganesan, V | 1945 | IC Engines, Gas Turbines |
|  | Ghosal, A | 1959 | Robotics; Design |
|  | Ghosh, Amitabha | 1941 | Manufacturing Science, Mechanisms & Machine Dynamics, Robotics |
|  | Gnanamoorthy, R | 1966 | Advanced Materials & Product Design; Failure Analysis & Design; Machine Elements; Surface Engineering |
|  | Gupta, Kshitij | 1951 | Vibrations; Rotor Dynamics |
|  | Gupta, NK | 1942 | Plasticity and Impact Engineering |
|  | Jain, VK | 1948 | Micromanufacturing; Advanced Machining Processes |
|  | Joshi, Suhas S. | 1968 | Manufacturing Engineering, Micromachining, Machining, Precision Engineering |
|  | Khandekar, S | 1971 | Therma-Fluid Science; Energy Systems |
|  | Krishna Kumar, R | 1956 | Computational Mechanics; Tyre Mechanics |
|  | Krishnamurthy, MV | 1941 | Thermal Engineering and Solar Energy Sciences |
|  | Kumar, Pramod | 1975 | Thermal Energy Systems; Heat Transfer |
|  | Lal, GK | 1938 | Metal Forming; Metal Grinding |
|  | Maiti, SK | 1948 | Fracture Mechanics, Finite & Boundary Element Methods |
|  | Majumdar, BC | 1941 | Machine Design, Tribology |
|  | Mallik, AK | 1947 | Vibration Engineering, Mechanisms |
|  | Mathur, HB | 1936 | Internal Combustion Engines, Fuel Combustion & Pollution |
|  | Mishra, PK | 1945 | Non-Conventional Manufacturing; EDM & Laser Processing |
|  | Mohanty, AR | 1965 | Acoustics and Industrial Noise Control; Machinery Condition Monitoring |
|  | Munjal, ML | 1945 | Technical Acoustics, Automotive & Industrial Noise Control |
|  | Muralidhar, K | 1958 | Laser Measurements in Fluid Mechanics and Heat Transfer; Transport Processes in Porous Media |
| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Narasimhan, Arunn | 1971 | Transport in Porous Media; Bio-thermofluids |
|  | Narasimhan, R | 1960 | Fracture Mechanics, Computational Solid Mechanics |
|  | Narayanan, S | 1945 | Non-Linear and Random Vibration, Acoustics and Noise Control |
|  | Narayankhedkar, KG | 1946 | Cryogenic Engineering, Refrigeration and Airconditioning |
|  | Natarajan, R | 1941 | Combustion, Energy Science & Technology |
|  | Paul, S | 1966 | Manufacturing; Machining & Grinding |
|  | Parikh, PP | 1941 | IC Engines, Biomass Gasification |
|  | Prabhu, BS | 1940 | Tribology; Rotor Dynamics |
|  | Pratap, Rudra | 1964 | Micra & Nano Electro-mechanical Systems (MEMS/NEMS); Nonlinear Dynamics & Allied Dynamical Systems |
|  | Radhakrishnan, V P | 1940 | Manufacturing Engineering, Metrology |
|  | Rajagopal, KR | 1950 | Continuum Mechanics |
|  | Ramesh, K | 1960 | Solid Mechanics; Fracture Mechanics |
|  | Rao, BVA | 1933 | Mechanical Engineering, Condition Monitoring |
|  | Ravi, B | 1964 | Metal Casting (Design & Simulation); Medical Device Innovation |
|  | Ray, Manas Chandra | 1963 | Smart Structures, Micromechanics and Nanomechanics of Composites |
|  | Sarangi, SK | 1949 | Refrigeration and Cryogenic Engineering, Heat Transfer Equipment |
|  | Sastri, VMK | 1938 | Energy, Thermo Fluid Sciences |
|  | Seetharamu, KN | 1939 | Heat Transfer; Finite Element Methods |
|  | Sen, PK | 1945 | Theoretical Investigation of Hydrodynamic Stability Problems; Theoretical Aspects of Wall Turbulence |
|  | Som, SK | 1949 | Thermal Science & Engineering, Automization & Spray CombustionS |
|  | Srinivasa Murthy, S | 1945 | Refrigeration & Airconditioning, Heat & Mass Transfer |
|  | Srinivasan, J | 1947 | Thermal Science, Solar Energy |
|  | Sukhatme, SP | 1938 | Heat Transfer, Energy |
|  | Sundararajan, T | 1956 | Combustion, Head Transfer |
|  | Tandon, N | 1954 | Vibration Monitoring; Noise Engineering |
|  | Vrat, Prem | 1944 | Industrial Engineering; System Dynamics |

**R&D**

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| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Ambirajan, Amrit | 1965 | Thermal Management of Electronics; Two-phase heat transport devices |
|  | Balasubramaniam, R | 1961 | Ultra Precision Manufacturing; Technology for Rural Upliftment |
|  | Basu,SK | 1931 | Machine Tools Design, Manufacturing Engineering |
|  | Bhujanga Rao, V | 1951 | Shock, Noise & Vibration, Machinery Condition Monitoring |
|  | Chattopadhyay, Jayanta | 1966 | Fracture Mechanics; Finite Element Analysis |
|  | Chellapandi, P | 1956 | Engineering Mechanics, High Temperature Design |
|  | Dutta, BK | 1953 | Structural Safety Analysis and Fracture Mechanics |
|  | Grover, RB | 1949 | Thermal Engineering; Nuclear Safety |
|  | Jayarajan, K | 1962 | Remote Handling and Robotics, Teletherapy Machine |
|  | Krishnan, J | 1949 | Fusion and Solid State Welding; Distortion Control in Welding |
|  | Kushwaha, HS | 1946 | Structural Engineering, Fracture Mechanics |
|  | Murmu, NC | 1971 | Tribology & Composite Material; Micro/Nano Manufacturing |
|  | Natarajan, M | 1946 | Mechanical Engineering (Design), Automotive Technology |
|  | Prasad, Arun | 1929 | Gas Turbine Technology |
|  | Ram, Dasharath | 1962 | Precisiion Manufacturing; Product Development |
|  | Ramanarayanan, CP | 1958 | Propulsion; Heat Transfer |
|  | Ranganayakulu, Chennu | 1960 | Heat Transfer-Compact Heat Exchangers; Aircraft Environmental Control Systen |
|  | Ravisankar, A | 1959 | Fast Reactor Fuel Reprocessing Technology; Remote Technology and special purpose machines |
|  | Sinha, Anil Kumar | 1956 | High Precision Instruments; Special purpose machines & equipments |
|  | Sinha, GP | 1946 | Operations Research & Industrial Engineering; Production Engineering |
|  | Sivakumar, P | 1958 | Mechanical Engineering; Automobile Engineering |
|  | Velusamy, K | 1959 | Computational Heat Transfer; Liquid Metal Thermal Hydraulics |

**INDUSTRY**

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| --- | --- | --- | --- |
|  **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Akarte, RR | 1945 | Machine Design, Automobile Engineering |
|  | Aprameyan,K | 1942 | Internal Combustion Engineering, Automobile Engineering |
|  | Chandraker, AL | 1949 | Computational Fluid Dynamics, Turbomachines |
|  | Dube, NM | 1948 | Tribology; Materials Characterization & Evaluation |
|  | Forbes, Naushad | 1960 | Technology Policy & Management; Education Policy |
|  | Goenka, PK | 1954 | Vehicle Design and Development; Engine Tribology |
|  | Jindal, Sajjan | 1959 | Metallurgy; Steel Industry |
|  | Lakshminarayanan, PA | 1949 | Diesel engine design and development; CNG engine design and development |
|  | Mahadevan, R | 1943 | I.C. Engines; Metal Metrix Composites |
|  | Maini, Chetan | 1970 | Electric & Hybrid Vehicles |
|  | Majumdar, Sekhar | 1948 | Computational Fluid Dynamics |
|  | Mohan Ram, NS | 1936 | Warship Design and New Product Development |
|  | Mohan Reddy, BVR | 1950 | General Management; Technology |
|  | Naik, AM | 1942 | Engineering and Technology Management |
|  | Narendran, TV | 1965 | Marketing & Sales; International Trade |

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|  **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Patil, JD | 1954 | Multi-disciplinary Engineering; Conceptual & System Design |
|  | Ramchandani, A | 1962 | Mechanical Systems Similation; Multidisciplinary Systems Development |
|  | Ravichandran, N | 1947 | Manufacturing of Engineering Products; Total Quality Management |
|  | Sobti, Atul | 1959 | Mechanical; Marketing |
|  | Srinivasan, V | 1952 | Management; Engineering |
|  | Venkataramani, N | 1939 | Mechanical Engineering; Automobile Engineering |

**FOREIGN FELLOWSHIP**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Ewins, David John | 1942 | Vibrations; Structural Dynamics |
|  | Jones, Norman | 1938 | Dynamic inelastic Response of Structure; Structural Crashworthiness |
|  | Kiuchi, Manabu | 1940 | Manufacturing Science; Metal Forming |
|  | Lieuwen, TC | 1972 | Combustion; Energy |
|  | Mitra, Sushanta | 1972 | Microfluidics & Nanofluidics; Integrated Water Management |
|  | Murthy, Jayathi Y | 1958 | Computational Fluid Dynamics and Heat Transfer; Microscale Heat Transfer |
|  | Rosakis, Ares J | 1956 | Mechanical Engineering; Aerospace Engineering |
|  | Schiehlen, Werner | 1938 | Applied Dynamics, Road and Rail Vehicles |
|  | Sreenivasan, KR | 1946 | Fluid Dynamics; Nonlinear Dynamics |
|  | Sridhar, KR | 1960 | Energy; Mechanical Engineering |

**INAE YOUNG ASSOCIATES ON ROLL**

|  |  |  |
| --- | --- | --- |
|  | Arockiarajan, A | Applied Mechanics |
|  | Arumuru, V | Fluid and Thermal Science |
|  | Bhardwaj, Rajneesh | Thermal and Fluid Sciences |
|  | Chakraborty, Abir | Solid Mechanics, Biomechanics, Automotive Safety |
|  | Chowdhury, Arindrajit | Combustion |
|  | Das, Prosenjit | Materials processing and Manufacturing |
|  | Karagadde, S | Solidification, Computational methods |
|  | Kumari, Poonam | Smart materials and structures |
|  | Patel, Naimesh R | Opto-Mechanical design and development of optical payloads for imaging satellites |
|  | Pattamatta, Arvind | Computational Fluid Dynamics and Heat Transfer |
|  | Raj, Rishi | Energy Efficiency, Boiling, Two-phase flows, Mircogravity Science |
|  | Shankar Ram, CS | Automotive Engineering |
|  | Sharma, Ishan | Applied Mechanics |
|  | Suresh Kumar, N | Automotive driveline system,Advanced clutch and clutch controls |
|  | Tomar, Gaurav | Two phase flows, interfacial instabilities, computational heat and mass transfer. |
|  | Wahi, Pankaj | Dynamics, Vibrations and Controls, Reduced order modeling, Characterization and control of instabilities in higher dimensional systems. |