**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 Combustion  S | |
|  | 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. |