

MATERIALS SCIENCE AND TECHNOLOGY SOCIETY OF NIGERIA
NIMACON 2018 Sub-Themes

1. Mining and Metallurgical Materials
2. Biomaterials/Biomedical Composites,
3. Biomimetic Composites,
4. Carbon Matrix Composites
5. Nanomaterials
6. Electronic, optical and magnetic materials
7. Computational materials science and materials theory
8. Advanced Energy Materials
9. Organic and inorganic photovoltaic Batteries and super capacitors
10. Fuel cells
11. Hydrogen generation and storage
12. Thermoelectrics
13. Water splitting and photocatalysis
14. Solar fuels and thermosolar power
15. Magnetocalorics
16. Piezoelectronics
17. Robotics and Mechatronics
18. Metal Matrix Composites
19. Ceramics and glasses
20. Composite materials
21. Polymers/Fibres synthesis and characterization
22. Metal alloys
23. Iron and Steel (Ferrous Alloys)
24. Paper and wood
25. Textiles
26. Chemical
27. Electronic, Optical, and Magnetic Materials
28. Construction materials
29. Composites Manufacturing,
30. Graphene Technologies
31. Risks and Regulation of Nanotechnology
32. Green Manufacturing and Sustainability
33. Recycled materials
34. New construction materials
35. Emerging technologies in materials science
36. Materials-Environment Interactions
37. Polymer membranes for environments and energy
38. Nanobiotechnology
39. Energy Materials and Harvesting
40. Materials Chemistry (Organic and Inorganic) and Sustainable Chemistry
41. Materials Processing and Product Manufacturing
42. New manufacturing processes
43. Surface Modifications
44. Coating and Films
45. Wood and Paper Green Composites,
46. Liquid Composite,
47. Molding Mechanical and Tribological Properties
48. Emerging green processes
49. Devices and technologies in Materials Science and Engineering
50. Atomistic structure
51. Nanostructure/Nanotechnology
52. Microstructure
53. Macrostructure
54. Crystallography
55. Bonding
56. Properties
57. Synthesis and processing
58. Thermodynamics
59. Kinetics
60. Materials Science: Fundamentals & Characterization
61. Emerging areas of Materials Science
62. Advancements in Materials Science
63. Computational Materials
64. Materials Networking
65. Media Materials
66. Teaching Materials Science and Technology
67. Materials Law/Constitutions
68. Case studies
69. Economics
70. Others (Topic not in this list)