



Ship Structure Committee

Focus Areas For 2022 Project Idea Solicitation

Focus Areas

- Additive manufacturing, 3D printing of structural components
- Structural monitoring: Digital twins, hull monitoring, corrosion monitoring, ice load monitoring, etc.
- 3D structural plan review
- Arctic construction, evaluating existing ships for potential use in polar waters
- Structures related to alternative fuels (hydrogen, ammonia, cold liquid fuels, etc.)
- Structural lifetime extension
- Composite structures and manufacturing, including high density polyethylene (HDPE) structures
- Aluminum structures and sensitization effects
- Evaluating properties of COR-TEN (weathering) steel for maritime use