Research Focus

Industry Coverage
Transportation and logistics

Perspective

International trade as a business sector is expected to grow significantly in the coming decades as more countries recognize the benefits of greater economic integration and embrace it through the gradual elimination of barriers to flows of goods, services and capital. There is widespread acceptance that Asia will be the greatest contributor of this growth, as China, India and ASEAN become more intimately plugged into global production networks and supply chains.

Transportation and logistics are the backbone of international trade. Their importance will grow with trade expansion, and through the advances in logistics technology and management. They constitute a new world space, areas in which advances in knowledge and research will be of critical and growing importance in the future.

Transportation industries are vibrant parts of the new economy that contribute to global growth and competitiveness. Trucks, rails, ships and airlines not only move goods from A to B, their role in urban transportation also impacts social development of nations.

Businesses are designing logistics into their operations from start to finish, aim to deliver products and services faster, more reliably and more economically than before, to improve customer satisfaction and increase the synchronization of activities throughout their supply chain. Besides moving goods from A to B, transportation and logistics companies are now offering services and business solutions to transform traditional shipping services into a high-tech supply chain enterprise.
Guiding Philosophy

Forward-looking issues concerning global infrastructure that supports globalised industries.

Research Themes

- Competitive landscape of shipping and logistics industry
- Impact of Globalization
- Technological advancement (e.g. ship size, speed, engineering etc)
- Transport network optimization
- Transport infrastructure expansion to keep pace with trade expansion
- Innovative development of transport Infrastructure
- supply chain dynamics
- Changing dynamics of Industry verticals of logistics
- Air logistics
- Freight forwarding logistics
- IT/RFID applications

Research Excellence

Issues in transportation and logistics span several traditional disciplines as well as geographies and business contexts. To achieve excellence, the research is likely to have strong multi-disciplinary focus and strategic partnerships between centers of excellence in universities and institutes in different parts of the world.