Future Mobility: Personal or Shared?

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Agenda

• Policy for Sustainable Urban Mobility
• Discussions on Personal and Shared Mobility
• Conclusions
Policy: EcoMobility + MultiModality

BBMW + SHARED MOBILITY

- TOD: Smart design of cities
- ICT: Seamless services

[Diagram showing different modes of transportation such as Bike, Bus, Metro, and Walk]
Sharing Systems of Scooter / Car and National Plan

- U-Motor
- YouBike
- U-Car

- Priority: Poor MRT coverage area and parking supply shortage districts
- Electric motorcycles
- Gogoro and WeMo

- Coordinate with car purchasing limitation and public housing
- Rental stations at public housing and public parking lots
- Electric cars
Challenges......
Full Trip Cost

- **Total Trip Cost and Social Equity**
  - usage, facility, time, external cost (Pollution, Public Health, Congestion, Safety...)

- **Actually Paid/Should Pay**
  - **Walk:** 100.0%
  - **Bike:** 96.6%
  - **Scooter:** 34.8%
  - **Car:** 59.6%
  - **Taxi:** 67.8%
  - **Bus:** 81.6%
  - **Metro:** 89.7%

Motorized vehicles are heavily subsidized by the public resources
Answer for Personal Mobility or Shared Mobility?

- **Quick Answer** by the KEYWORDS “Livable, Shared, and Intelligent”...
Public Transport + Active Mobility + Shared Mobility

• We have shared our space, infrastructure, and information....

• But, most of motorized vehicles do not pay what they should pay

• Applications of ITS and advanced Technologies for achieving the goals of livable cities by:
  – having users paid for it
  – sharing limited resources
Concluding Remarks

• BBMW + Shared Mobility
• Research on Full Trip Cost for Shared Mobility and AEVs
• Smart Design of City + ITS Technologies
• National Plan and Strategies
• International Collaborations
Thank You

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