Smart City Technology Collaboration Projects

Research, Standards, Innovation, Citizen Service Platforms

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CORAL GABLES
THE CITY BEAUTIFUL

PARTNERS

- ➤ NAT. INST. OF STANDARDS & TECH. (NIST)

- ➤ GLOBAL CITY TEAMS CHALLENGE (GCTC)

- ➤ GCTC PARTNERING AGENCIES

- ➤ GCTC PARTNERING MUNICIPALITIES/ORGS

PROJECTS

- ➤ RESILIENCE NETWORK A.I. PLATFORM RESEARCH NSF CIVIC INNOVATION CHALLENGE

- ➤ COVID-19 RESOURCE KIT FOR SMART AND SECURE CITIES, BUSINESS TECHNOLOGY WEBINARS

- ➤ NIST SMART CITIES SYMPOSIUM

- ➤ SMART REGIONS DATA HUB INITIATIVE
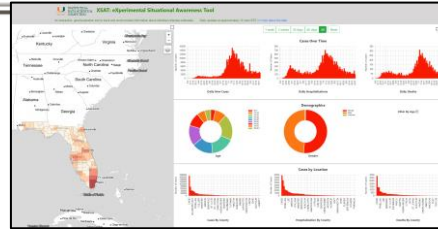
- ➤ NIST SMART CITIES FRAMEWORK (SCCF)

PARTNERS

➤ University of Miami (UM)

➤ Research Partners

PROJECTS

➤ Hurricane Resilient Microgrid Energy System NSF Civic Innovation Challenge

➤ Data, AI, and smart cities research collab: Supercomputer data analysis, sit. awareness

➤ Smart City Demo Lab Business Technology Demos, evaluations, webinars, internships

PARTNERS

➤ FLORIDA INTERNATIONAL UNIVERSITY (FIU)

➤ RESEARCH PARTNERS

PROJECTS

➤ REGIONAL DATA HUB R&D PROPOSAL
  NSF CIVIC INNOVATION CHALLENGE

➤ CYBERINFRASTRUCTURE TRAINING INITIATIVE
  FUNDED BY NSF

➤ COVID-19 CYBERMUM RESEARCH CONCEPT

➤ IOT/A.I./DATA/CYBERSEC. SMART CITY R&D

PARTNERS

➢ MIAMI-DADE COUNTY

➢ CITY OF MIAMI

➢ NONPROFITS

➢ INDUSTRY PARTNERS
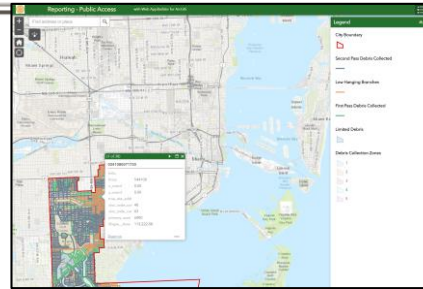
PROJECTS

➢ DATA SHARING & INTEROPERABILITY PROJECTS: MOT, CIP, ROW, UTILITIES, TRANSPORTATION

➢ GIS PLATFORM INTEGRATION

➢ COVID-19 DATA COLLABORATION USE CASES

➢ UTILITY AND GIS DATA SHARING MOUS WITH COUNTY AND CITIES

PARTNERS

➢ City Innovate

➢ National Science Foundation (NSF) funding
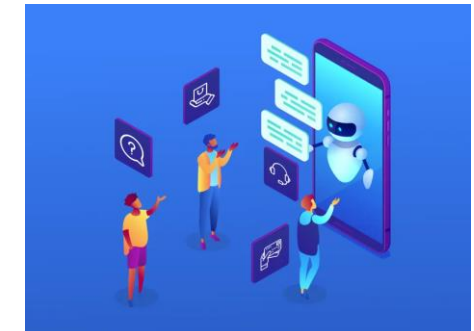
➢ STIR Labs Cohort

PROJECTS

➢ Virtual Assistant A.I. technology to improve navigation and citizen experience in the smart city hub

➢ AI & machine learning technologies for integration & predictive analytics in the City's enterprise systems

PARTNERS

PROJECTS

➢ INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS (IEEE)

➢ IEEE SOCIETIES

➢ RESEARCH PARTNERSHIPS

➢ OTHER/UPCOMING PARTNERSHIPS
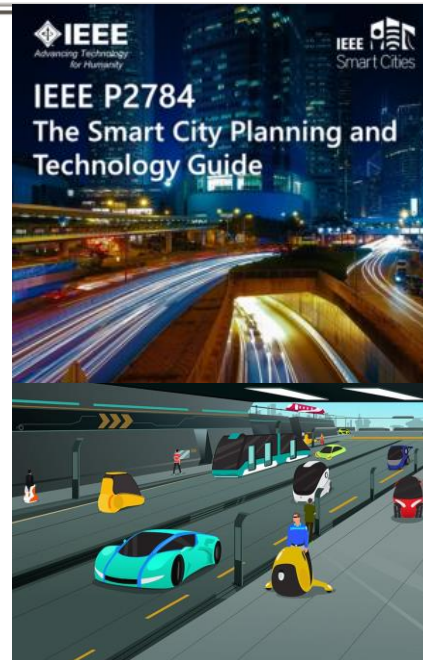
➢ SMART CITIES ENGINEERING STANDARDS AND BEST PRACTICES

➢ ADOPTION OF EXPONENTIAL TECHNOLOGIES TO STREAMLINE PROCESSES (IOT, AI, ML, RPA, FAST WIRELESS NETWORKS, OPTICAL NETWORKS, DRONES, BLOCKCHAIN, ADVANCED CYBERSECURITY)

➢ BLOCKCHAIN CAPSTONE RESEARCH WITH MIAMI BLOCKCHAIN CENTER AND FIU

SMART CITY TECHNOLOGY COLLABORATION PROJECTS

RESEARCH, STANDARDS, INNOVATION, CITIZEN SERVICE PLATFORMS

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Thank you

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