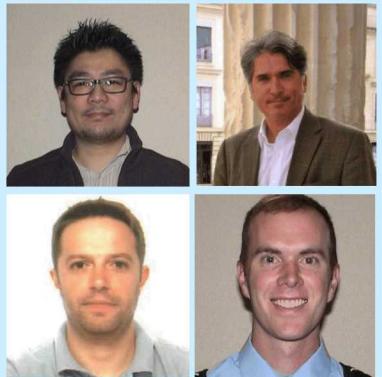


Hydrokinetic Energy Systems –Industry Day

Rapid Introduction Session for Networking. Potential new ARPA-E program on tidal and riverine hydrokinetic turbines

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Team experience (Since 2009)

- DOE Reference Models testing
- Device performance testing at Roza Canal
- Resource & site assessment and characterization, e.g. Verdant Power East River
- High Performance Computing (Device & Array)
- Control co-design and System Identification
- Power Take-Off Testing Facility
- Mechanical and Structural Load Measurements

New program interests

1. Small and full scale device testing
2. Controls, power electronics, system identification
3. Device and array CFD modeling
4. Resource measurements and modeling
5. Sensors (hydrodynamics and load) & Instrumentation
6. Materials and coatings
7. Power Take-Off Testing

