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| **Project Title:** | Computer, Computer Monitors, and Electronic Displays |
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| **Document Title:** | ITI & Technet 9/29 F2F Presentation: OS/SW Optimization |
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| **Filer:** | System |
| **Organization:** | Chris Hankin, Information Technology Industry Council |
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## ITI & Technet 9/29 F2F Presentation: OS/SW Optimization

*Additional submitted attachment is included below.*

# Desktop power management

# Opportunities

- Helping the user understand the impact of applications and devices on power
  - Dependencies on HW capabilities

- More systems using runtime power management
  - Dependencies on ecosystem driver and FW

- Modern Standby
  - Dependent on silicon and system designs

# Challenges

- General Purpose OS, allow applications to execute code
- OS provides a collaborative framework for drivers and applications to participate
- Performance level is adjusted to the level of work
- System power state is selected based on user input (configured timeout or explicit actions)
- System power state is entered coordinated with the firmware
  - ACPI has enabled standard PC components to be interchangeable