About Auburn University

- Chartered in 1856 in Auburn, Alabama
- 31,000+ Students (25,000 are undergraduate)
- 427 buildings on 1,841 acres
- 150+ Majors in 15 schools and colleges

- We are the Tigers that yell "War Eagle!"
- Some of those: Charles Barkley, Tim Cook, Jason Dufner, Rowdy Gaines, Bo Jackson, Suni Lee, Octavia Spencer, Frank Thomas, Jim Voss, & Jimmy Wales.

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Biometrics at Auburn

- Athletics wanted to secure space for players and staff where they wouldn't have their ID in their possession (such as locker rooms).

- Introduced to campus by Athletics Department in 2011.

- Adopted iris readers and are on the second generation of readers

- Grew from 3 readers initially to 26 installed today in 5 facilities.


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Solving the Biometrics Problem

- Athletes coming off the court or field are often hot and sweaty, so fingerprint or hand wasn't an option.

- We were looking for something contactless, simple, and reliable.

- Convenience is a driving factor, but the additional security is a great additional benefit.

- Iris reader technology was a good choice for us.

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Iris Readers Through the Years at Auburn
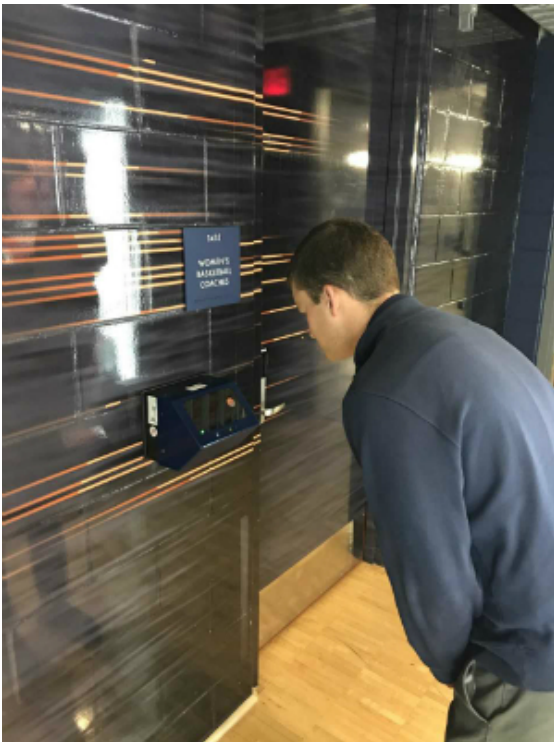
- In 2011, started with nGlance readers
  - Connected to PCs in IT rooms with specialized software
  - Over the years, PCs replaced with "stealth" devices
- In 2018, upgraded to Access200 readers
  - Better to interact with (like a selfie)
  - PoE network devices
  - Uses web-based software
- In 2022, now using OSDP readers
  - Same readers, but with more network security

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Enrollment is Challenging

- Cardholders required to go to an enrollment office at Athletics.

- Athletics employee selects a random badge number from a predefined list.

- An access request submitted including new "badge" number for OnGuard.

- Results were not desirable:
  - A lot of effort for all involved
  - Several opportunities for clerical errors

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A solution to Enrollment Challenge

- Lenel Sync
  - Data in PI software is accurate (from OnGuard)
  - Less work by enroller; no work for Access Control
  - No need for new badges, uses existing
  - No need to add access if already on badge
  - Supports badge offset feature
- Face enrollment
  - Photos in PI software will match cardholder
  - Iris will enroll as they gain access using reader
  - No need to go to enrollment office
  - Uses existing badge/access, like magic!

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Challenges Remaining

- Face enrollment with identical twins, triplets, etc.
  - Requires individual enrollment
- Facility code not stored in PI software and requires using a specific badge type
  - Enhancement coming this Fall for this!
- Currently all cardholders synced, would prefer subset
  - Enhancement coming this Fall for this!
- Photos currently manually imported
  - Working on a process to get into OnGuard so it will sync.
- Two readers at each biometric location (iris, standard)
  - Future reader technology should allow a combo reader for us

Auburn's Biometric Path Moving Forward

- Use Princeton Identity iris/face as standard biometric option
- Consider more security implementations (instead of convenience focused)
  - Potentially with biometrics & card required
- Upgrade all current readers to utilize OSDP
- Eliminate two readers at doors by using multi-technology readers.
- Possible Rec Center implementation

Questions?

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