WHAT THE INTERSECTION OF NEW TECHNOLOGY, CYBERSECURITY, AND PRIVACY MEANS TO ALLEGION AND OUR CUSTOMERS

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PRINCIPAL, ALLEGION VENTURES
ROADMAP

- WHO WE ARE
- EMERGING TECHNOLOGIES
- NOVEL ISSUES
- OPPORTUNITIES
Data has a better idea
VOICE CONTROL OF IoT DEVICES
NOVEL ISSUES
PRIVACY LAWS AROUND THE WORLD MAKING AN IMPACT

- **General Data Protection Regulation (GDPR)**
- **California Consumer Privacy Act (CCPA)**
- **Illinois Biometric Protection Act (BIPA)**
- **China Cybersecurity Law**
GENERAL DATA PROTECTION REGULATION

- **Data Subject Rights Requests**
- **Data Protection Impact Assessment**
- **Privacy-by-Design and Privacy-by-Default**
CALIFORNIA CONSUMER PRIVACY ACT

- GDPR-like requirements
- Class action lawsuits
- “Do not sell my personal data” provision
Emerging Cybersecurity Laws and Standards

- California IoT Law
- Australia Cyber Law
- FTC D-Link Case
CALIFORNIA IoT LAW

- Requires reasonable security features
- Passwords must be unique or require changing upon first use
AUSTRALIA’S ASSISTANCE AND ACCESS ACT

DEVELOPERS MUST DISABLE ENCRYPTION OR CREATE BACKDOORS FOR THE GOVERNMENT
FEDERAL TRADE COMMISSION
V. D-LINK

FTC SUED D-LINK OVER ITS CYBERSECURITY PRACTICES
ADVERSARIAL ATTACKS ON MACHINE LEARNING
OPPORTUNITIES
ALLEGION PRINCIPLES³

- Security
- Simplicity
- Scalability
VOICE RECOGNITION
ZERO-KNOWLEDGE PROOFS

PROVE IDENTITY OR OTHER INFORMATION WITHOUT SHARING SENSITIVE INFORMATION
FULLY HOMOMORPHIC ENCRYPTION

PROCESS ENCRYPTED DATA WITHOUT DECRYPTING IT FIRST
PRIVACY
PROTECTING
TECHNOLOGIES

- Highly accurate people counting
- Low resolution camera used so no identification of individuals
ABOUT ALLEGION™
Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, INTERFLEX®, LCN®, SCHLAGE®, SIMONSVOSS® AND VON DUPRIN®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.7 billion in revenue in 2018, and sells products in almost 130 countries.

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