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

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ROADMAP

WHO WE ARE
EMERGING TECHNOLOGIES
NOVEL ISSUES
OPPORTUNITIES







Ongoing History of Innovation in Electronics

Select Electronic Product Introductions



EMERGING TECHNOLOGIES

7



BIOMETRICS

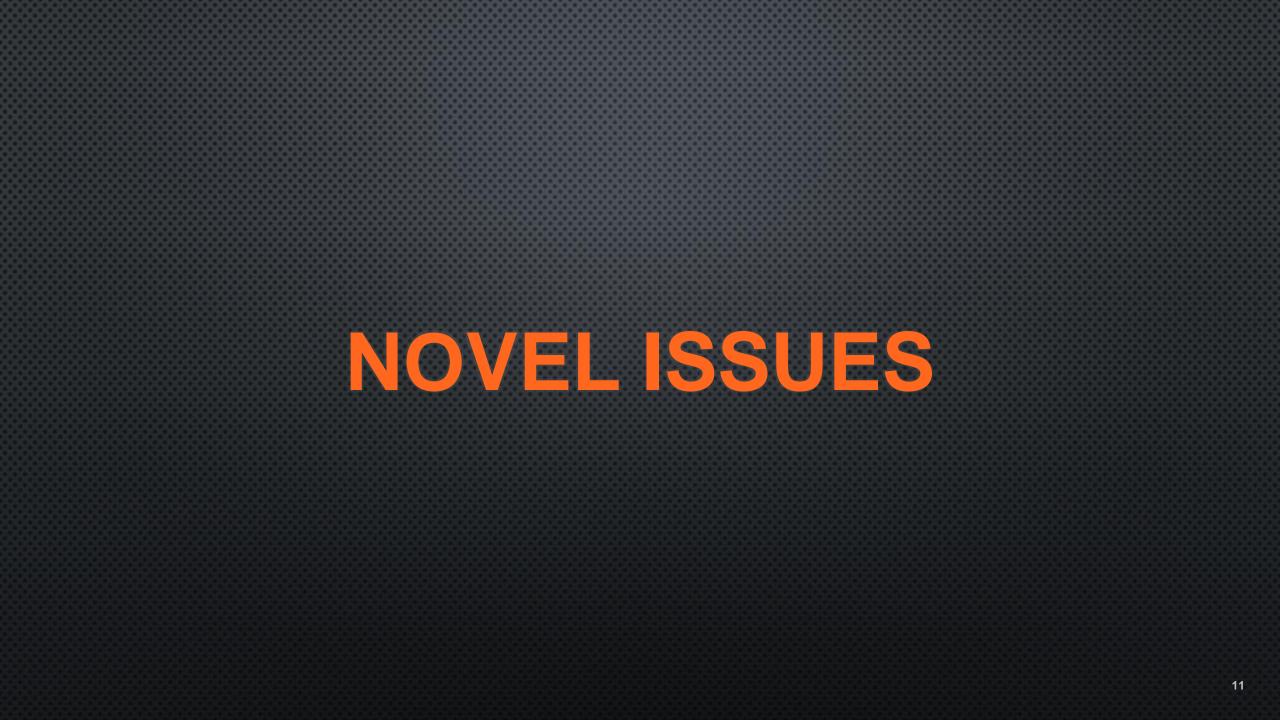
FACIAL, VOICE, AND GAIT RECOGNITION



Data has a better idea



VOICE CONTROL OF IOT DEVICES



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
- 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





ALLEGION PRINCIPLES³

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SECURITY

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- SIMPLICITY
- SCALABILITY



ZERO-KNOWLEDGE PROOFS

PROVE IDENTITY OR OTHER INFORMATION WITHOUT SHARING SENSITIVE INFORMATION

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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™

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