The Pulse: Emerging Technology in 2021 and Beyond

More than 4,500 members of global technology association and learning organization ISACA weighed in on emerging technologies in a new study that examined benefits, risks, adoption barriers, knowledge gaps, leadership’s willingness to adopt new tech and more. The findings will help IT professionals prepare for the future in a continuously evolving tech landscape.

For full results visit, www.isaca.org/emerging-tech-2021

Top Emerging Technologies in Use:

1. **Artificial Intelligence** (AI)
2. **Cloud**
3. **Internet of Things** (IoT)

65% careers
62% organizations
57% the general public

A Bright Future of Innovation

Respondents are optimistic about the impact emerging technology will have on their:

- **59%** significant disruptive capabilities
- **35%** significant problem-solving capacity
- **31%** recent discovery
- **24%** technical complexity
- **22%** low current societal adoption rate

How receptive are enterprise leaders to adopting emerging technologies?

- **22%** very receptive
- **59%** moderately receptive
- **17%** not very receptive
- **2%** not at all receptive

Top contributors to resistance

- **72%** cost of implementation
- **44%** cybersecurity risk
- **42%** unclear business objectives
- **41%** insufficient staff training
- **39%** systems/processes/infrastructure not mature enough

How often are emerging tech opportunities evaluated?

- **55%** annually
- **34%** every 2-3 years
- **13%** every 4-5 years or more
- **2%** never

Biggest factors motivating emerging tech implementation

1. Anticipated cost savings (73%)
2. Improved cybersecurity (57%)
3. To meet regulatory requirements (52%)
4. Increased agility (51%)
5. New revenue streams (50%)

Top emerging technologies in use:

- **59%** cloud
- **34%** artificial intelligence (AI)
- **27%** Internet of Things (IoT)

Current RELational Betpostlog Rritties for the Tech Gf

- **58%** cloud-related technologies
- **62%** artificial intelligence (AI)
- **49%** Internet of Things (IoT)

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