

# Case Study

## Eli Yablonovitch

Acronis has saved my career on numerous occasions

### Background / introduction

Eli Yablonovitch is an American physicist and engineer who, along with Sajeev John, published landmark papers on photonic crystals in 1987. He is regarded as a father of the photonic band gap concept, and he coined the term “photonic crystal.” The geometrical structure of the first experimentally realized photonic band gap is sometimes called “Yablonovite.”

Professor Yablonovitch has been elected as a member of the National Academy of Engineering, the National Academy of Sciences, the National Academy of Inventors, the American Academy of Arts and Sciences, and is a Foreign Member of the Royal Society of London. He has been awarded the OSA Ives-Quinn Medal, the Benjamin Franklin Medal, the IEEE Edison Medal, the Isaac Newton Medal of the U.K. Institute of Physics, the Buckley Prize of the American Physical Society, the IEEE W.R. Cherry Solar Cell Award, the Rank Prize (U.K.), the Harvey Prize (Israel), the IEEE Photonics Award, the IET Mountbatten Medal (U.K.), the Julius Springer Prize (Germany), the R.W. Wood Prize, the W. Streifer Scientific Achievement Award, and the Adolf Lomb Medal. He also has honorary doctoral degrees from the Royal Institute of Technology, Stockholm, the Hong Kong University of Science and Technology and McGill University, and is an honorary professor at Nanjing University.

He leverages decades of experience as an expert physicist and engineer, having worked at companies such as Bell Telephone Laboratories, Exxon Research Center and Bell Communications Research, and taught at esteemed educational institutions. He was Professor of Applied Physics at Harvard University and also taught as Professor of Electrical Engineering at the University of California, Los Angeles (UCLA). In 2007, he became Professor of Electrical Engineering and Computer Sciences at UC Berkeley, where he is the James and Katherine Lau Chair Emeritus in Engineering.

### CHALLENGES

- Difficulty getting data back.
- Nonhuman interaction can cause data loss, such as a system crash or hardware failure.

### REQUIREMENTS

- Backup of important files and documents.
- Flexibility to replace a hard disk when it's full and keep a copy of data.
- Recovery of a hard disk without compromising data integrity and accuracy.

### PROTECTED RESOURCES

- Two identical computers used interchangeably.

### KEY BENEFITS

- Backs up Prof. Yablonovitch's computer regularly after crashes and virus attacks, including an extortionate ransomware attack.
- Systems are restored exactly as they were.
- Cloud services helped Prof. Yablonovitch duplicate his exact system on other computers.

## The challenge

Given his line of work, dedication and achievements, Yablonovitch has a lot of knowledge about systems, technology and computers. "I'm pretty technical myself," Yablonovitch asserted.

Yablonovitch recounted a time when his computer became a target of a cyberattack. "I was hit by a ransomware attack and a gentleman told me on the phone that I should pay a certain amount of money to get my data back. But in the back of my head, I knew that I had the ace card as I had Acronis. So, I was able to recover all my information.

Also, there were other challenges where there was no human interaction, but a simple system crash where you must recover," said Yablonovitch.

"When I get a new computer, it takes me at least two weeks to reinstall the software and to get it back to what it was, but with Acronis, everything is back overnight."

## The solution: Acronis True Image

Acronis True Image combines fast, secure backup and integrated AI-based security to completely protect your home devices with one simple tool.

"I came across Acronis True Image as I had to replace my magnetic hard disk because it was full. Back in the day, these hard disks did not have much storage space. When I purchased the new hard disk, Acronis software came with it. I tried it out, and it worked exactly as described and intended.

"Acronis has saved my career on numerous occasions. I must send in proposals for my work, and if you have a crash a day before the deadline, you can imagine how dreadful that can be. Those proposals were for large amounts of money and basically supported me and a whole team of scientists. If you fail to meet a certain deadline, it can set your career back."

Yablonovitch publishes a lot of articles, and needs a record of what he has previously written, going back to the late 1980s. This archive of articles is useful for when he writes something new.

He has backed up every email since 1996 on his hard drive. "A few months ago, I lost all my emails from 2020 but once I was able to recover by using Acronis, everything was fine ... Acronis is part of my survival strategy."

## The benefits

"I am a happy Acronis user for more than 20 years. It restores my system exactly as it was," said Yablonovitch.

"In my personal family, I am also the webmaster, and I'm happy to know that I can help my family members recover from their crashes."

## About Acronis

Acronis is a global cyber protection company that provides natively integrated cybersecurity and data protection for consumers, managed service providers (MSPs), small and medium businesses (SMBs), and enterprise IT departments.

In today's digital world, home computers must have integrated protection against multiple cyberthreats — system failures and malicious hackers or identity theft. With Acronis, you can completely protect your home and home office environment with one simple tool. Designed for today's digital world, Acronis True Image is the most reliable, efficient and easy way to protect and manage your computers, mobile devices and personal digital identity.

A Swiss company founded in Singapore in 2003, Acronis has 45 locations across the globe. Acronis Cyber Protect Cloud is available in 26 languages in 150 countries and is used by over 20,000 service providers to protect over 750,000 businesses. Learn more at [www.acronis.com](http://www.acronis.com)

"The backups of Acronis saved my computer and my job many times as they restored my system to exactly as it was."

Eli Yablonovitch