



# 2024 Comcast Innovation Fund

Summary of our moments and milestones  
for the 2024 Operating Year

# 2024 Comcast Innovation Fund At-a-Glance

## Background

We know that innovation defines the future of our company, our industry, and our connected world. Comcast is committed to fostering a culture of innovation that permeates every level of our business, and we've witnessed firsthand how some of the greatest breakthroughs occur when you simply give smart people the time and resources they need to innovate.

The Comcast Innovation Fund was established in 2013 to support researchers, technologists, and academics who are committed to the betterment of the Internet and the global technology and policy community.

Grants range from \$3,000 for smaller projects, up to more than \$100,000 for medium-term research efforts. A cross-functional team of technology and business leaders within Comcast reviews grant applications on a rolling basis and directs funding where it is most needed and can have the greatest impact.

In 2024, we funded 15 grants to researchers in 3 countries. Since the Fund's inception, Comcast has supported 218 projects from researchers in 19 countries around the world. We've been inspired by the results of this research and are committed to continuing the program into the future.

## Focus on Impact

Through the Innovation Fund, we focus on small and mid-sized projects that may slip between the cracks of traditional research funding sources. The multidisciplinary team of subject matter experts that review applications look for research projects that move technology forward by tackling difficult problems or pioneering new approaches.

## Grant Types

We fund research grants, open source development grants, or a combination of the two.

- **Research Grants** - Unrestricted grants supporting research in a range of Internet-related fields that support researchers, technologists, and academics. These grants support researchers conducting either general or targeted research projects, usually at colleges and universities.
- **Open Source Development Grants** - These grants are intended to support the creation and/or advancement of open source projects of interest to Comcast or of benefit to the Internet and broadband industries, including those that may not have immediate business value but that carry the potential for important technological development.

## Grants Made by Country in 2024

Israel	01
Norway	01
USA	13

## How to Apply

We accept proposals throughout the year until our annual funding has been fully committed. To apply, visit the Innovation Fund web site at <https://innovationfund.comcast.com/>.



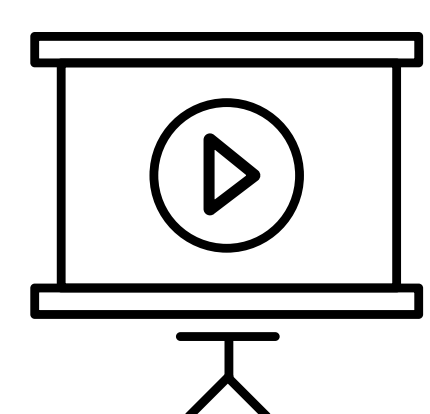
## Individual Grant Listing

Comcast Innovation Fund information is available at <https://innovationfund.comcast.com>.



### Domos

Application Outcome Aware Root Cause Analysis



### Interactive TV Works

Interactive Case Competition



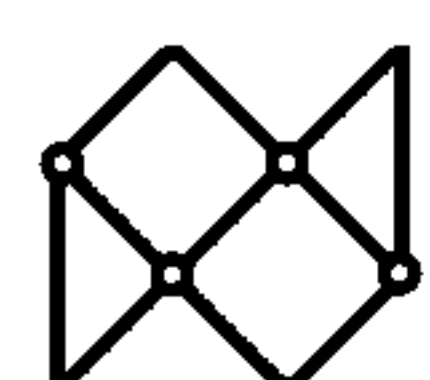
### MulticoreWare

Implementation of Reference Picture Sampling in x266Alpha Channel Support in x265



### NetForecast

User Experience Comparison of Cable, Fiber, 5G Fixed Wireless, and LEO Home Internet Services in the US and Western Europe Using AIM Data



### NetMicroscope

Measuring Wide Area Support for Low Latency



### University of California Santa Barbara

Analyzing the Impact of L4S on Video Conferencing Performance over 5G Networks



### University of Southern California

Visualizing the Internet's Latency Landscape (VILL) Traffic Analysis of Fluctuating Flows



### Virginia Tech

Leveraging ML for Advanced IRR Validation: Towards a More Secure Internet Infrastructure



### Dan Grois

Advanced AI Techniques for High-Quality Realistic Video Generation and Enhancement



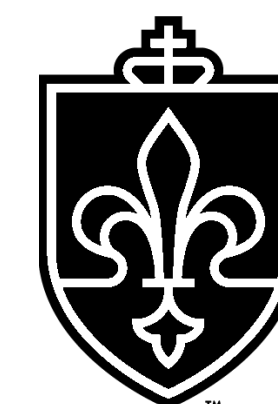
### Massachusetts Institute of Technology

Real-time measurement, working latency, and decentralized networks: Emerging realities



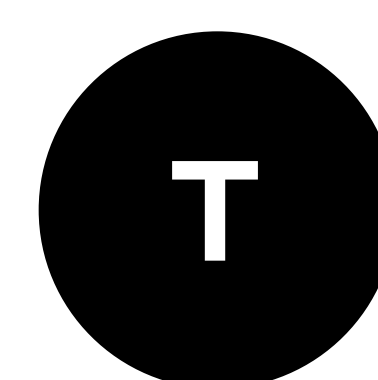
### MulticoreWare

Support for Multiview HEVC and Related Tools in Open Source HEVC Encoder x265



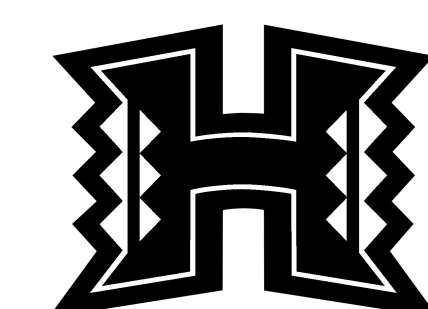
### St. Louis University

Optimizing iPerf3 for Low-Energy CPUs



### Teklibre

NQB for CAKE



### University of Hawaii

Quantifying performance, usability, and privacy of MASQUE-based privacy proxies



### University of Texas, at Arlington

Leveraging Malicious Telegram Communities for Identifying Emerging Cybercriminal Activities