

# n-hop technologies

## Inventor of Network Coding



### A disruptive force to transform the paradigm of information flow with network coding

n-hop technologies' vision is to revolutionize network communications with the invention of Network Coding.

Our mission is to develop practical technologies based on Network Coding to address outstanding challenges in communication networks such as multi-hop curse, network congestion, end-to-end performance and overall efficiency of communication networks.

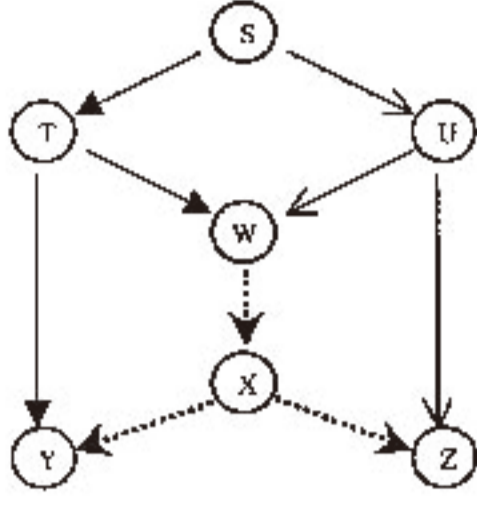
Our co-founders conceived network coding and subsequently developed an ingenious realization of network coding called BATched Sparse (BATS) code.


We are developing a range of software-based products that will leverage the advantages of Network Coding. For more information see our BATS brochure.





# Our Milestones





**2005**  Prof. Yeung and his collaborators received IEEE Information Theory Society Paper Award


**2016**  Prof. Yeung and his collaborators received IEEE Eric E. Sumer Award for inventing Network Coding


**2019**  Awarded Gold Medal in the 47th International Exhibition of Inventions of Geneva


**2022**  Prof. Yeung received Claude E. Shannon Award

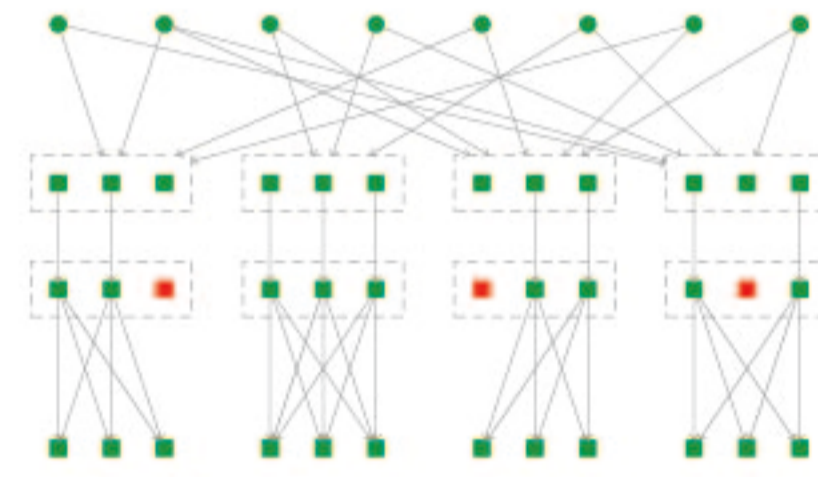
**2022**  Elected Fellow of US National Academy of Inventors


**2021**  Prof. Yeung awarded IEEE Richard W. Hamming Medal


**2023**  Developed #BATS.5G.IAB, the first commercialized product for 5G IAB

**2018**  Prof. Yeung and his collaborators received ACM SIGMOBILE Test-of-Time Paper Award

**2021**  Successfully implemented BATS at Country Park Trial to extend public Wi-Fi coverage in remote areas

**2011**  Prof. Yeung and Prof. Shenghao Yang invented BATched Sparse (BATS) code

**1995**  Network Coding was first conceived by Prof. Raymond Yeung of CUHK in one of his papers

**2018**  n-hop technologies established, commercializing BATS



**Prof. Raymond Yeung**  
Director/Co-Founder



**Prof. Yang Shenghao**  
Co-Founder



**Mr. Stephen Ho**  
CEO/Co-Founder



**Dr. Mehrdad Tahernia**  
Chief Technology Officer

## Inventors and Executive Management



**Inventor of Network Coding**

## Partners and Alliances



網絡編碼研究所  
Institute of Network Coding