

homework[1]

aline.mayworm

about: Bell Labs

fundão.bootcamp[16]

What **is** that?

"A global
collective of
the world's
brightest minds,
working to
create the
network of the
future."

So are we!
Let's have some
more, shall we?



mindwerkz



Nokia Bell Labs has its roots in the consolidation of several engineering departments within the American Telephone & Telegraph (AT&T) company and the Western Electric company, the manufacturing organization for the Bell System. These departments had been tasked with overcoming the day-to-day engineering challenges of building a national communications network.

A little context
doesn't hurt, right?

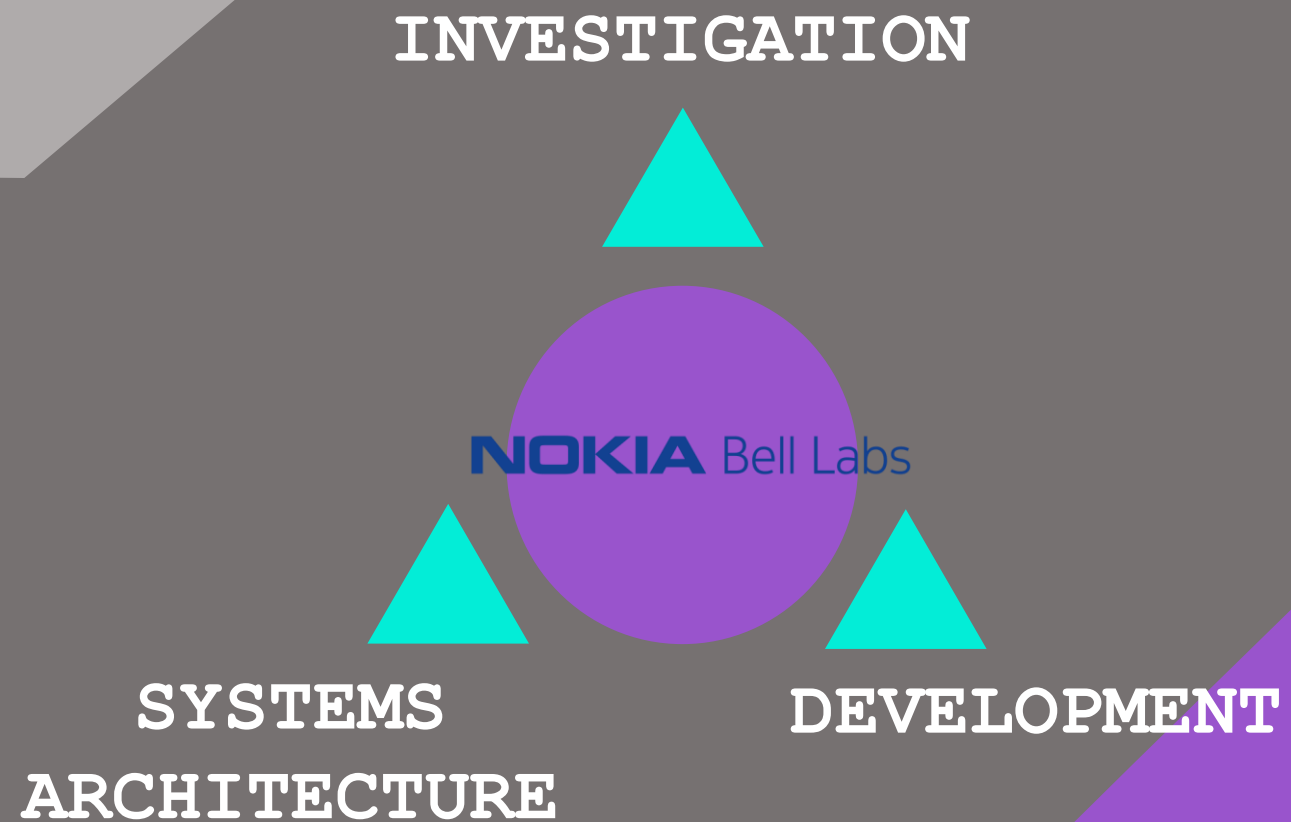


BELL LABS HQ IN NEW JERSEY



BELL LABS' s

3 basis of work



what about

Some HISTORY????

In 1925, Scientists and engineers originally hired to make American Telegraph & Telephone Company (AT&T) phones work better become part of the newly formed Bell Labs. It was half AT&T, half Western-Electric property.

In 1942 Bell Labs moved to Murray Hill Complex in New Jersey. Mervin Kelly, the Chairman at that time, helped with the design.

After the 80's, the company AT&T had some issues with the USA justice, which made the it's connection with Bell Labs suffers many changes.

In 1996, AT&T converted Bell Labs and most part of its manufacturing business in a new company called Lucent Technologies.

Following the acquisition of Alcatel Lucent in 2016, Bell Labs became an integral part of Nokia and continues setting the global standard in research and innovation.



Quick Note : Alexander Graham Bell's father-in-law founded the Bell Telephone Company in 1877. Our friend Dom Pedro II was the first to buy stock-shares for it. After some merging, In 1899, AT&T bought the company assets.

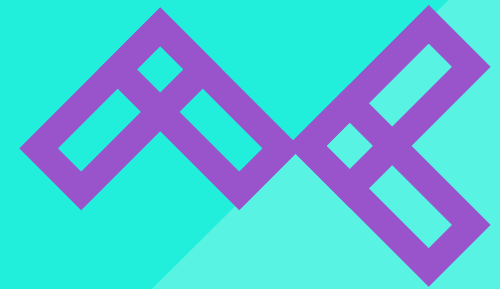
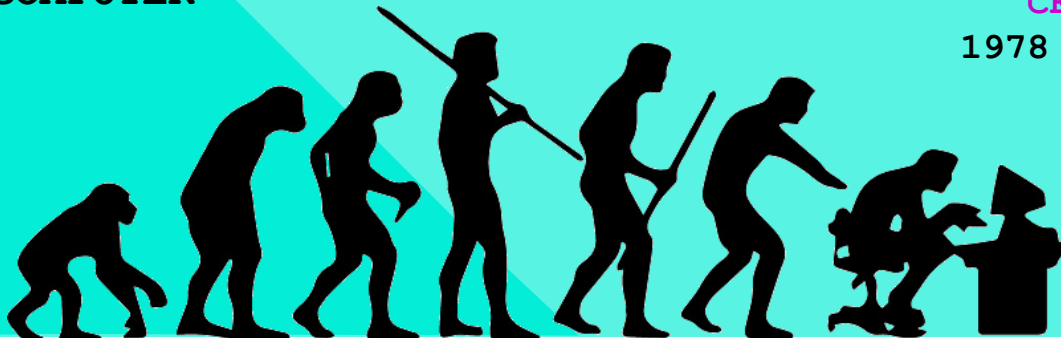
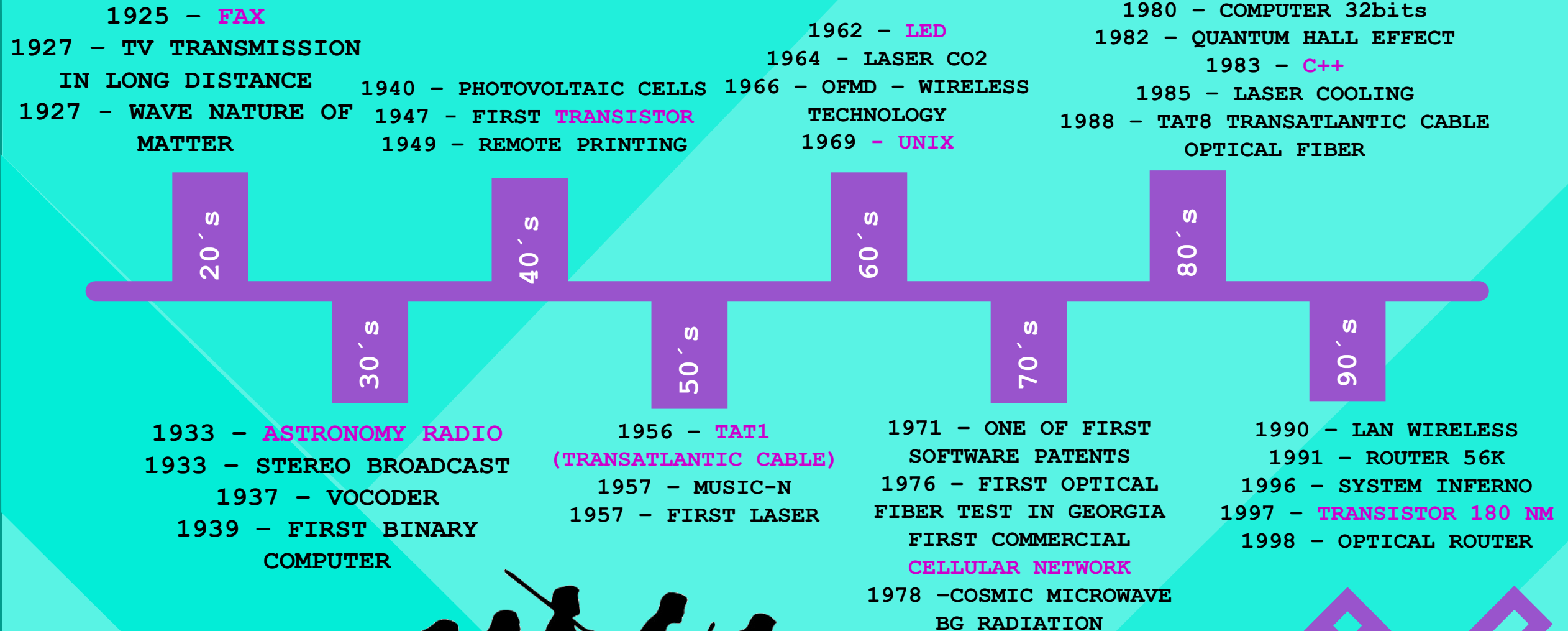


And now, the best part:

ACHIEVEMENTS!!!



Ready for this **badass** timeline?



The 2000's

DNA MACHINE

COMPRESSION
ALGORITHM

2000

PLASTIC SUPERCONDUCTOR

INCREASE OF 3X
WIRELESS CAPACITY

2001

SEMICONDUCTOR LASER

2002

LENSLESS CAMERA

2013

2000

2001

2010's

ORGANIC LASER ON
ELECTRICITY

HIGH-RESOLUTION MAP OF
THE COSMOS

F15 - ORGANIC MATERIAL
THAT MADE **PLASTIC
TRANSISTORS** AVAILABLE.

RADIO RECEPTION CHIPS
SUPER HLR (GLOBAL
ROAMING WIRELESS)

BREAKTHROUGHS IN
COPPER, WIRELESS AND
OPTICAL COMMUNICATIONS.

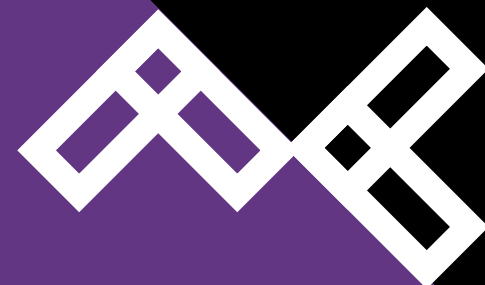


First Fraud!



SHAME! SHAME!
DING DING

Jan Hendrik Schön, a German physicist, was fired from Bell Labs in 2002, after it was found in his work fraud material, which was the first fraud situation of Bell Labs. Many papers were found with fake informations, some of them reported as discoveries.



Bell Labs

NOBEL AWARDS

8 NOBEL PRIZE AWARDS

MY
PRECIOUS
!!!



1937 - Clinton J. Davisson

1956 - John Bardeen, Walter H. Brattain and William Shockley

1977 - Phillip W. Anderson

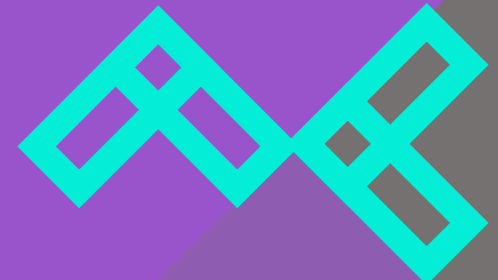
1978 - Arno A. Penzias and Robert W. Wilson

1997 - Steven Chu

1998 - Horst Stöhrmer, Daniel Tsui and Robert Laughlin

2009 - Willard S. Boyle and George E. Smith

2014 - Eric Betzig



Bell Labs
MORE AWARDS



8 grammy

23 IEEE Medals of honour

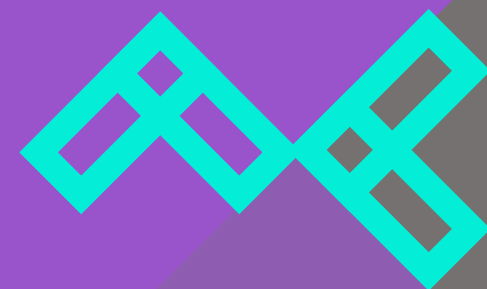
3 turing awards

12 US medal of Science

8 draper prizes

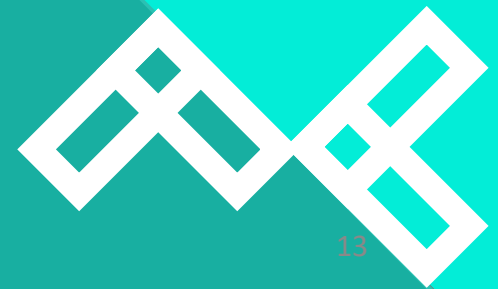
8 academy awards

6 emmy And more.



conclusion

Most of us starting now in the technology field had no idea that since the last century, even before we were born, this place was building essential structures for us to learn and to create our own solutions today. We don't know if one day we'll create something bigger than ourselves, something to leave a mark or at least look back at our lives as elders and see the journey was worth it, but Bell Labs is definitely an inspiration.



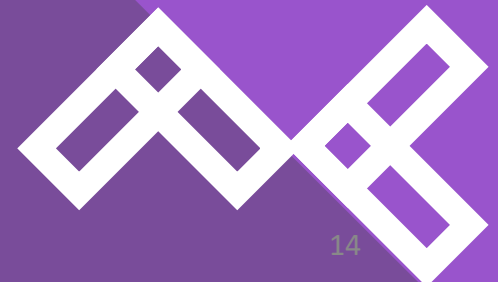
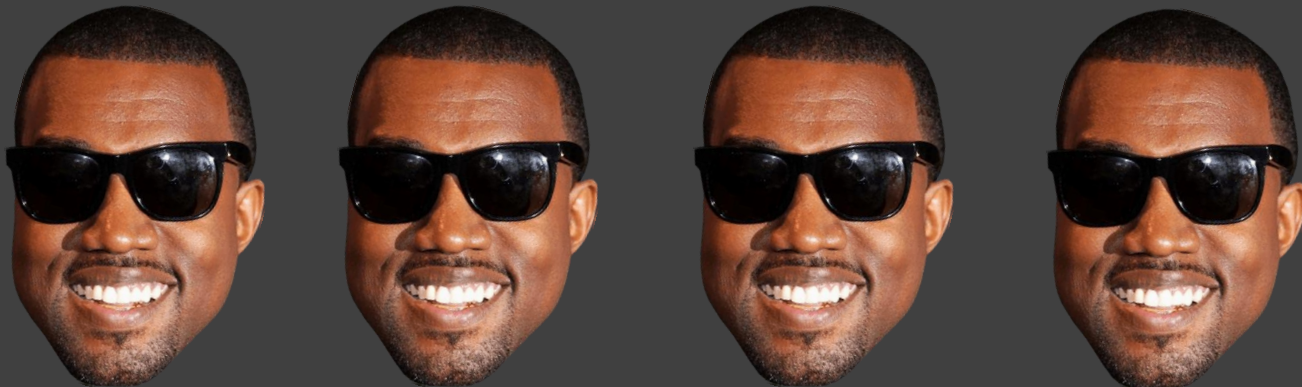
I made you as happy as Kanye??
Find all this and more in:

<https://www.bell-labs.com/timeline/>

<https://www.bell-labs.com/about/>

<http://blog.tmcnet.com/next-generation-communications/2011/08/the-top-bell-labs-innovations--part-i-the-game-changers.html>

<https://www.wired.com/2014/09/coupland-bell-labs/>





That's all Folks!