

In Memoriam
Gilles Dowek

1966 – 2025



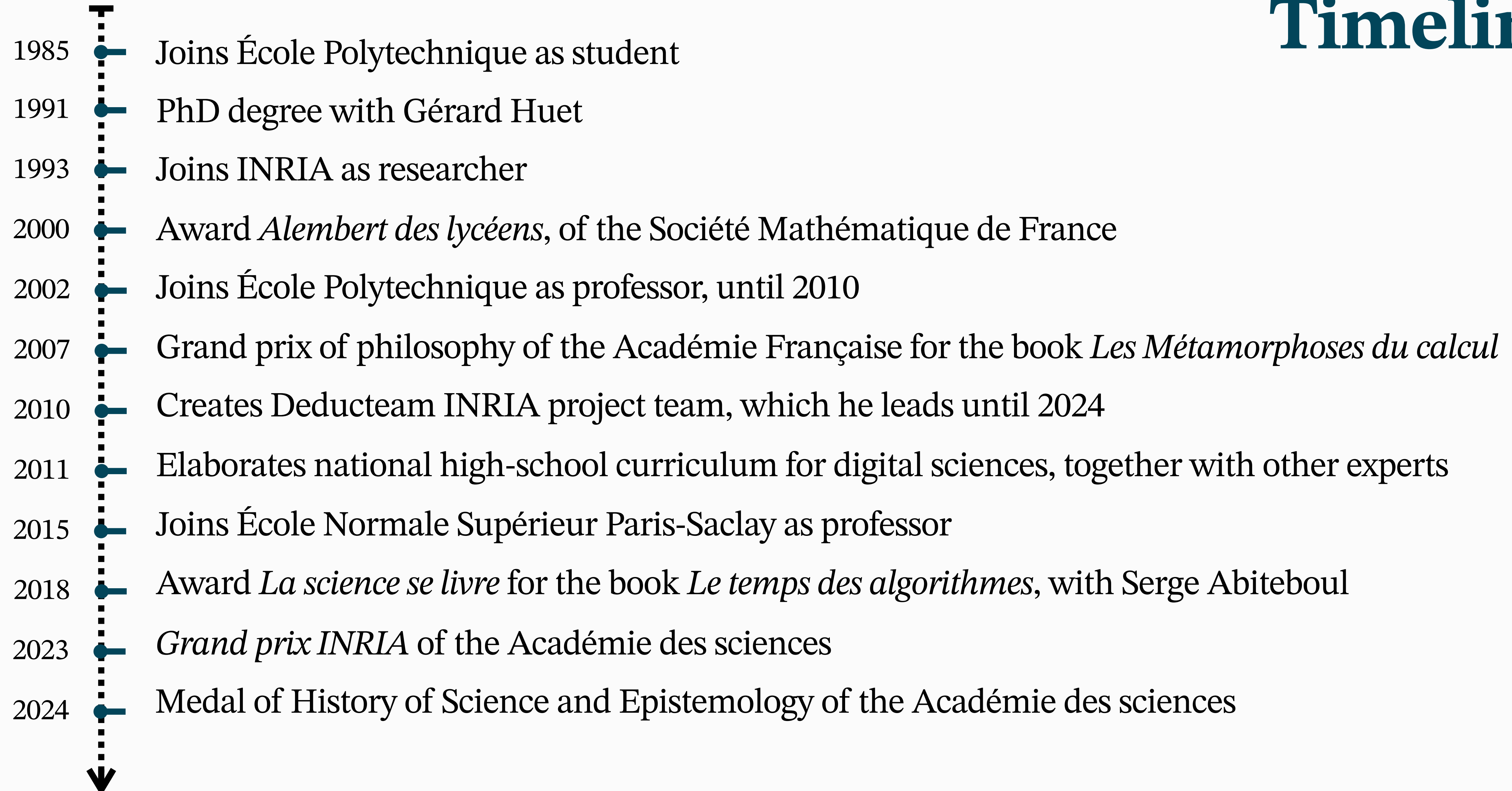
His vast research domain

- Automated proof search and higher-order unification (1990 – 2000)
 - Decidability of third-order matching
 - Excellent survey on higher-order unification in the Handbook of Automated Reasoning
- Deduction modulo theory (1999 – 2010)
 - Extended theorem proving techniques
 - Cut elimination for many theories, using semantic techniques
- The Dedukti Logical Framework (2007 – 2025)
 - Logipedia, proof system interoperability, universality of mathematics (IJCAR 2022)
- Linear/quantum lambda-calculi (2004 – 2025)
- Airborne coordinated conflict resolution and detection (2001 – 2012)

Beyond the great researcher...

- Very much implicated in scientific dissemination
 - *Les métamorphoses du calcul* (🏆)
 - *Le temps des algorithmes* (🏆), with Serge Abiteboul
 - Monthly column in *Pour la science*, from 2014 to 2021
 - etc...
- Advocated for integration of computer science in high-school curriculum in France
Participated in group of experts responsible for its elaboration
- Exceptional teacher, wrote many university- and school-level books
- Militated for LGBT rights, wrote theater piece presented at Avignon, played basson, etc

Timeline





Inter-WG Europroofnet meeting, 2023



Deducteam, 2022

Gilles, we will miss you so much!



Logipedia meeting, 2019