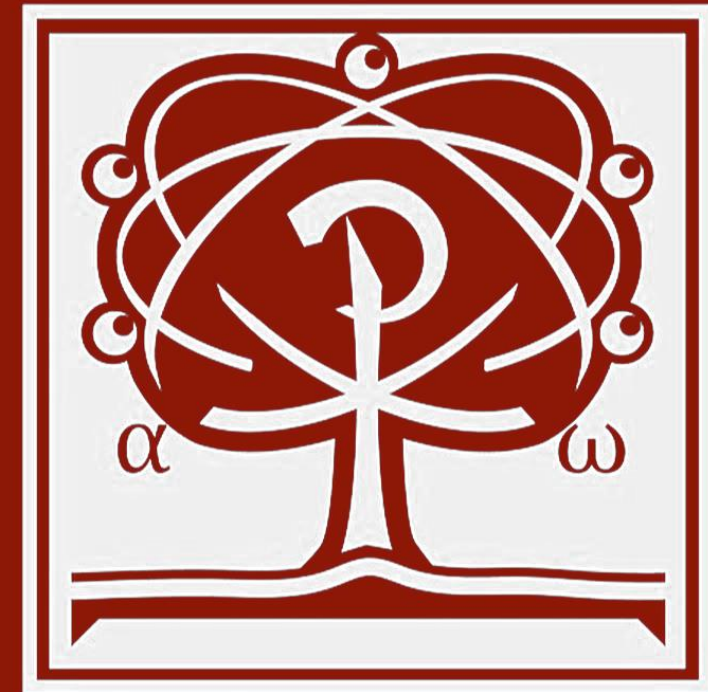


# AI: Ethical choices

—  
Dr. John E. Kelly III  
Executive Vice President, IBM

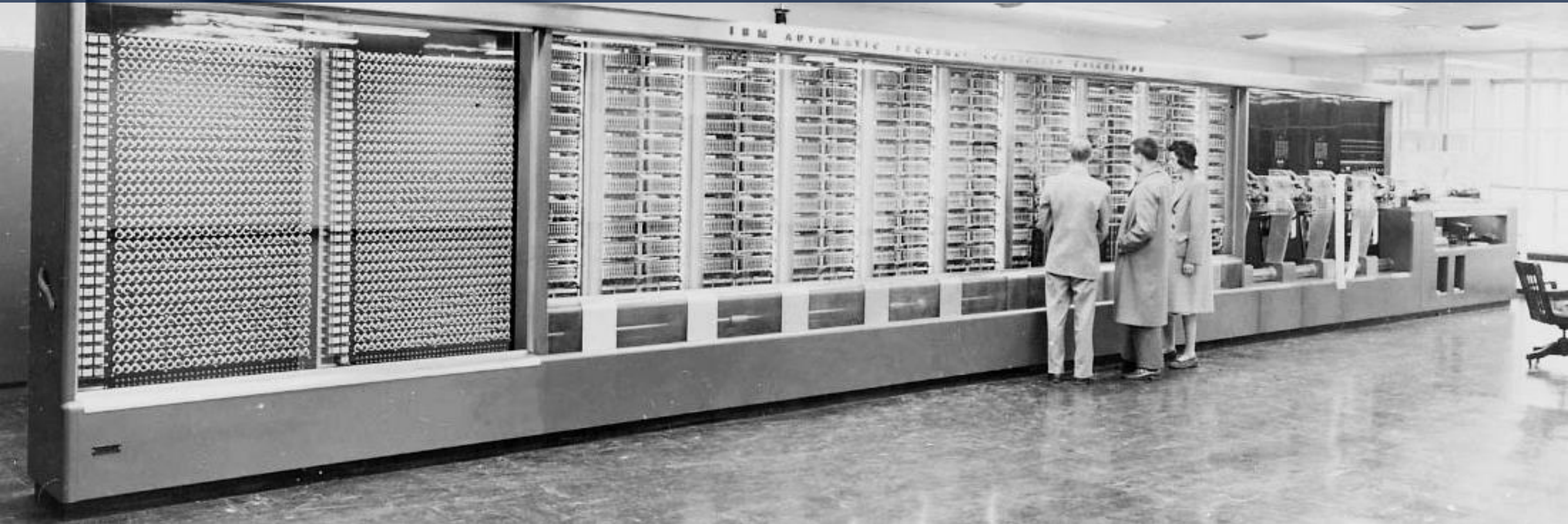


PONTIFICIA | PRO  
ACADEMIA | VITA

# Computing milestones

**75 years ago:**

IBM Mark I  
completed



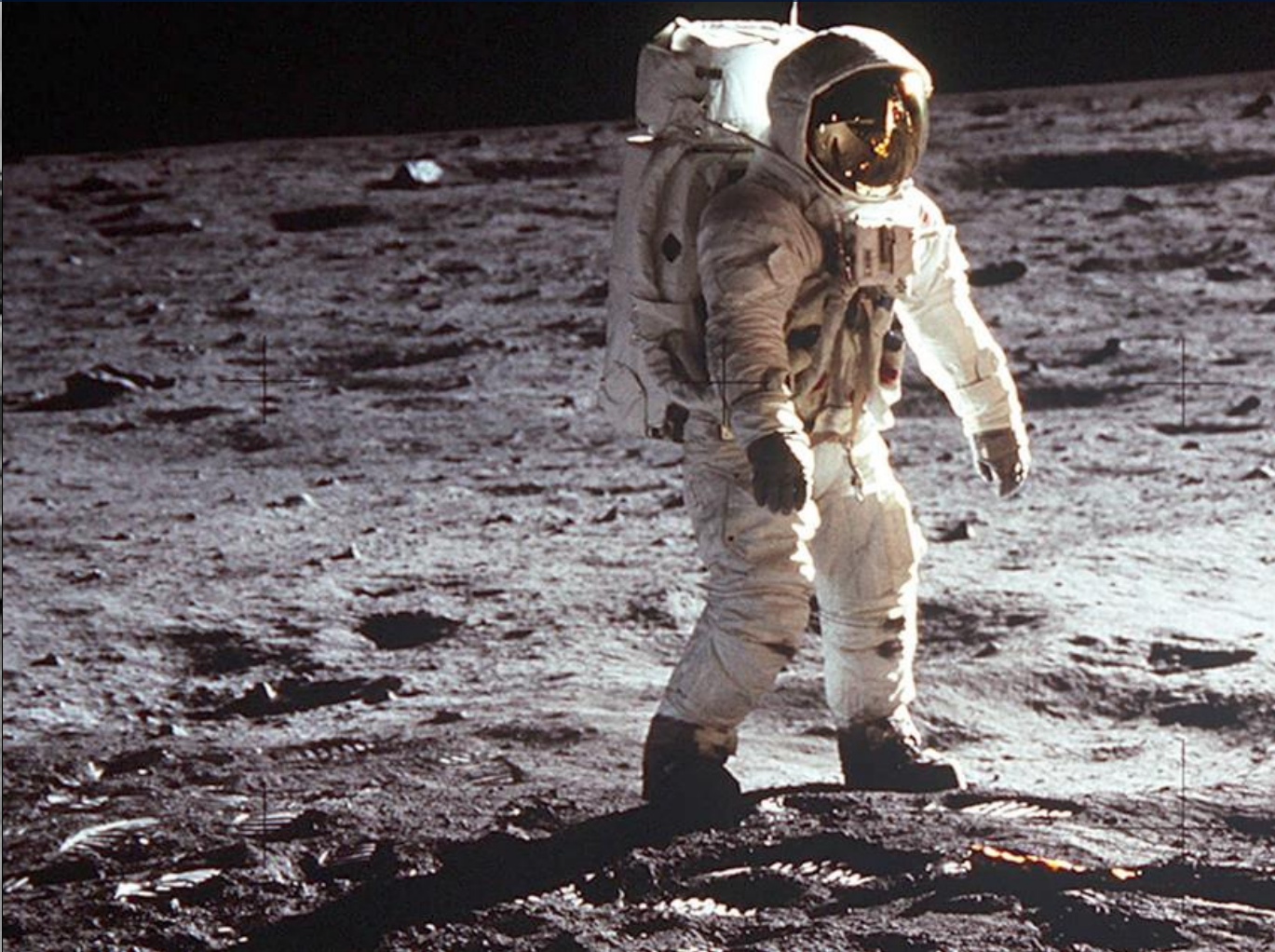


# Computing milestones

75 years ago: 50 years ago:

IBM Mark I  
completed

Apollo 11  
Moon mission





# Computing milestones

75 years ago:

IBM Mark I  
completed



50 years ago:


Apollo 11  
Moon mission




25 years ago:

Digitize  
Vatican Library







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Biblioteca Vaticana



Sostieni il progetto




Digital Vatican Library


Ricerca e scoperta degli stampati - progetti speciali

Titolo


CERCA



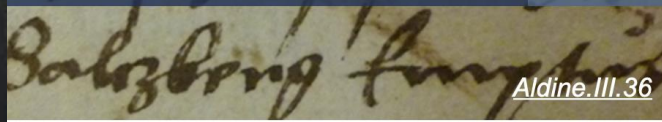
Semplice



Indici



Avanzata



Aldine.III.36

Vista semplice >



# Computing milestones

75 years ago:

IBM Mark I  
completed



50 years ago:

Apollo 11  
Moon mission



25 years ago:

Digitize  
Vatican Library



9 years ago:

IBM Watson  
wins Jeopardy!





# Computing milestones

75 years ago:

IBM Mark I  
completed



50 years ago:

Apollo 11  
Moon mission



25 years ago:

Digitize  
Vatican Library



9 years ago:

IBM Watson  
wins Jeopardy!



2 years ago:

IBM Summit  
Supercomputer





The three  
computing eras:

**Tabulating era**





The three  
computing eras:

Tabulating era

Programmable era



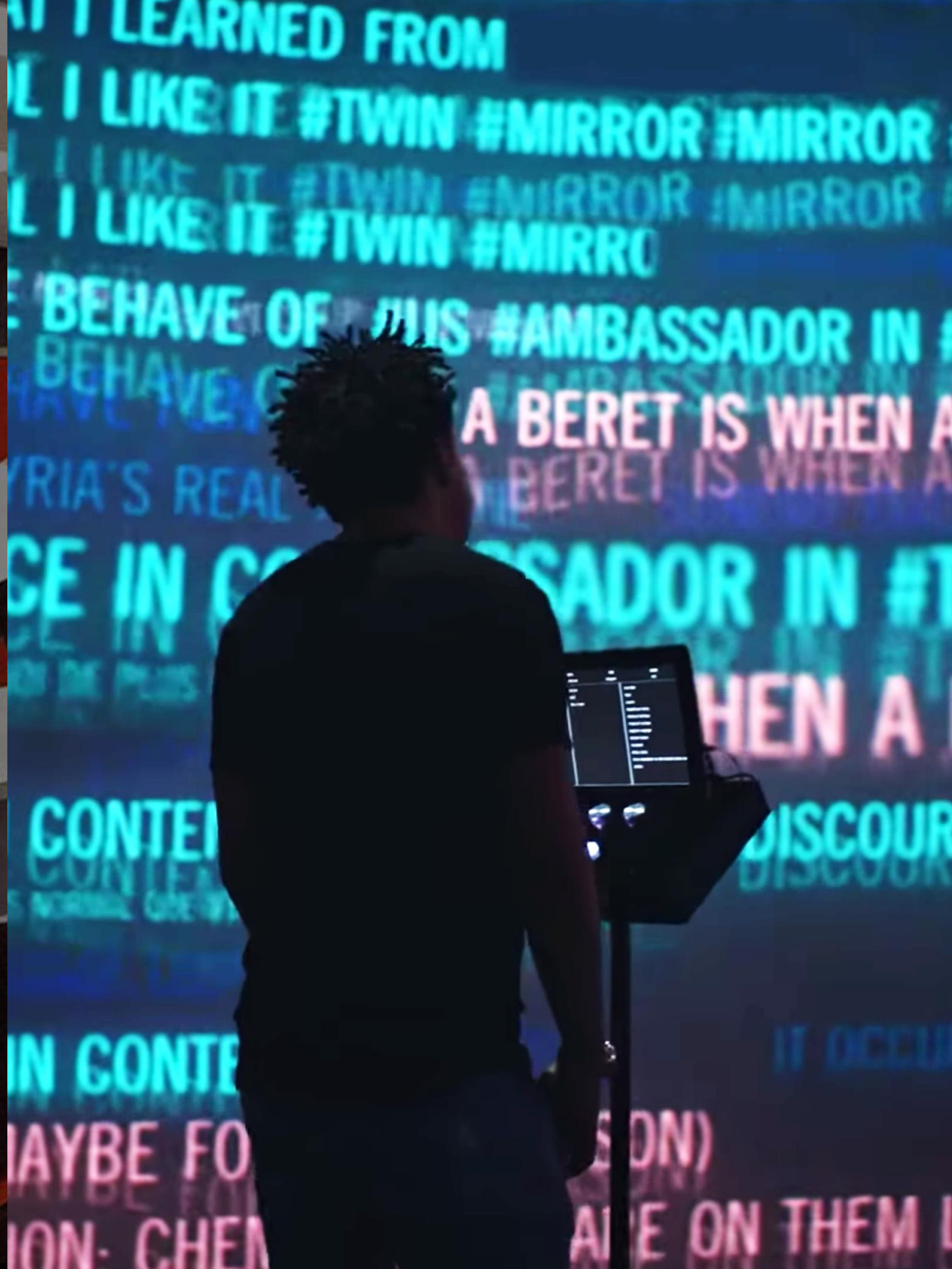


The three  
computing eras:

Tabulating era

Programmable era

AI era



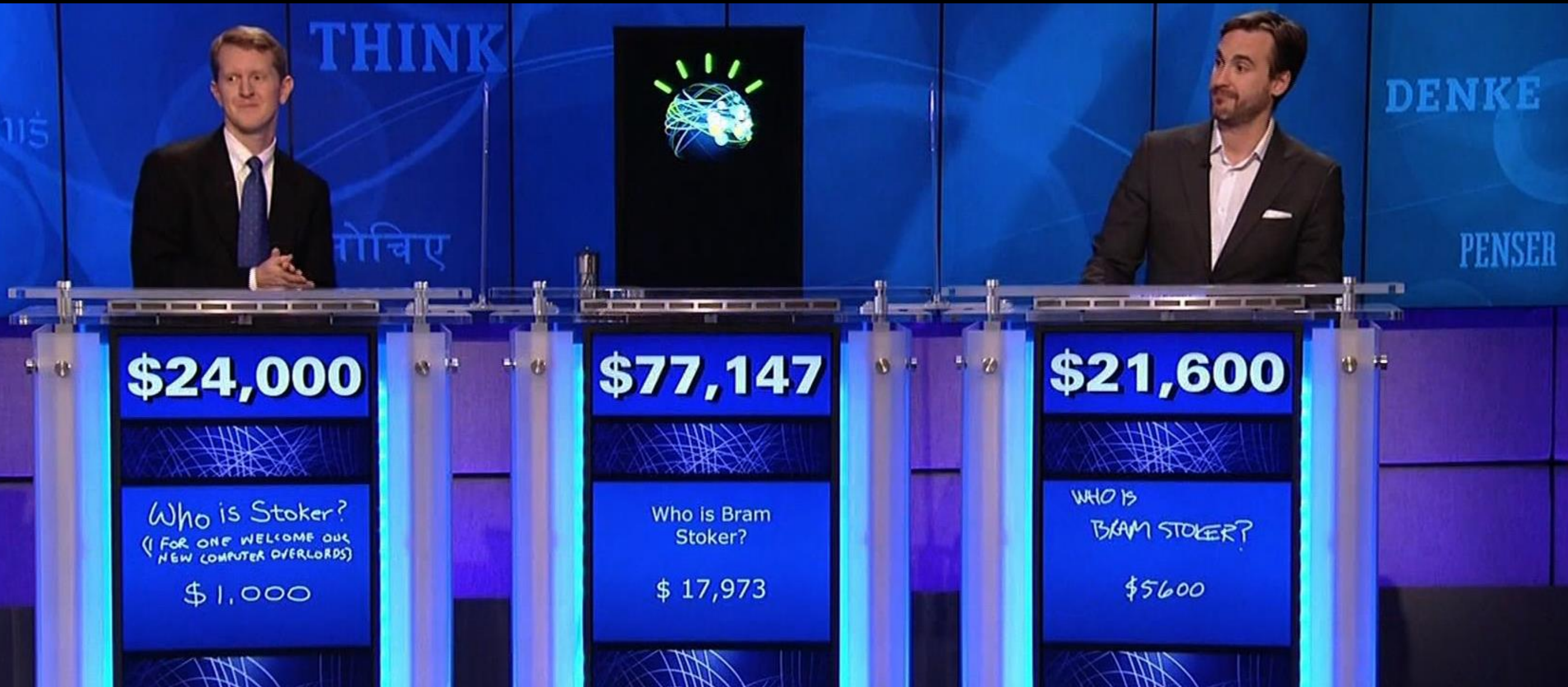


# Kasparov vs IBM Deep Blue





# IBM Watson and Jeopardy!





# AI: A reflection of ourselves





# Ethics and choices



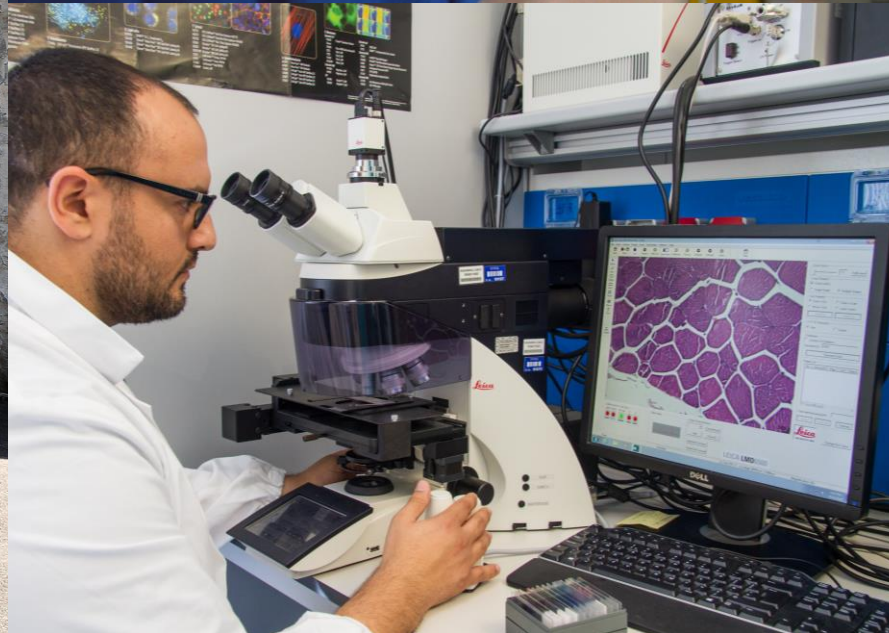


# IBM Watson and healthcare





# Ospedale Pediatrico Bambino Gesù





# AI: Man and machine working together





# Investing in skills: P-TECH, IBM Skills Academy, Digital Nations Africa





# Rome Call for AI Ethics: An ethical way forward



Transparency

Inclusion

Responsibility

Impartiality

Reliability

Security and privacy





“The human heart absolutely must become freer, better and more religious as machines, weapons and the instruments people have at their disposition become more powerful.”

– Pope Paul VI



