Introduction to the 10th Protégé conference


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Since 20 years Protégé is a continuously developing tool for creating formal systems.

But the story is much longer…

Ramón Lull (1235-1316)
• To find universal principles
• Automated generation of true statements

Leibnitz 1646-1716:
• Combinatorial concept representation
• To think will mean to count
Leibniz proposed to assign prime numbers to elementary categories and express combinations by multiplying the corresponding primes. In this way syllogisms could be verified by dividing the codes. (For true statements the divisions must result in integers.)
George Boole (1815-1864)

Propositional logic
logical operations
Gottlob Frege (1848-1925)
Concept writing: First rigorous rules of formal representation (predicate logic)
Incompleteness theory

Kurt Gödel (1906-1978)

Any formal system is either weak (can not represent all sensible statements) or non-decidable (there must be statements that cannot be either proven or falsify)
John von Neumann (1903 - 1957)

stored digital programming

Was born in Budapest, V.
Bajcsy Zs. 62
"Stand on the shoulders of giants"
On behalf of Bio-medical Section of the John von Neumann Computer Society

I wish all of you a pleasant stay and fruitful conference in Budapest