

Erica Melis

1949 - 2011

activemath



Erica's Intellectual Life & Contributions



- Born in Cuba in 1949, to a German Jewish family in exile
- Return to the German Democratic Republic: elite school for mathematics
- Academic Life in the GDR: Logic, Kripke Logics, Theory of science
- Move to West Germany ; Fall of the Wall: Analogy and Case-Based Reasoning
- Firmly doing research in the West:
 - One year research fellowship in Edinburgh with Alan Bundy
 - One year at CMU working with Manuela Veloso and Kurt van Lehn
- Seminal work on proof planning with Joerg Siekmann in Germany
- Spark of AIED interest; Proof planning: interest in communication and tutoring math proofs
- 2000 - Founded the *ActiveMath* group, a web-based tutoring system for various math courses
 - Use of a variety of AI techniques to model students and plan curriculum
 - Tutoring based on Cognitive Tutor techniques

Erica's Passion - Painting



EC-TEL 2011 Workshop in Erica's Honor: TELMAS: Technology-Enhanced Learning for Mathematics and Science.



Landmark Research and New Contributions

- Review of landmark math and science educational technology and research by leaders in the field; New work in math and science
- 20-23 September 2011, Palermo, Italy
- Great invited speakers... So far, Ivon Arroyo, Susanne Narciss, Johanna Moore, Vincent Aleven ...
- <http://telmas.celtech.de/telmas2011>

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