



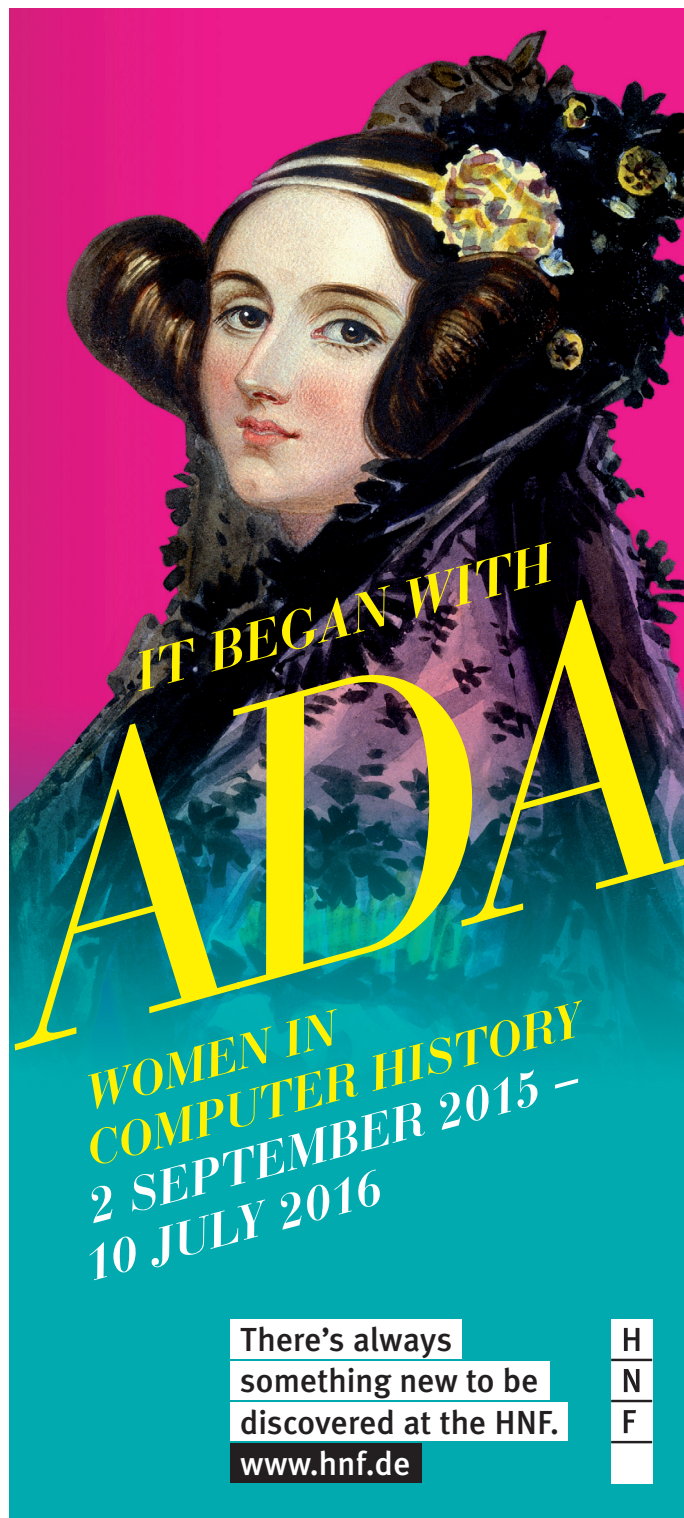
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## heinznixdorf museumsforum

**Stiftung Westfalen**

8/15 · [www.junit-netzwerk.de](http://www.junit-netzwerk.de)



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# ADA LOVELACE

**IT began with Ada.**

## **Women in computer history**

On 700 square metres, this special exhibition shows the exciting life and work of prominent female information technology pioneers, starting with Ada Lovelace, daughter of the renowned romantic poet Lord Byron. Ada Lovelace wrote the first computer programme for a mechanical calculating machine invented by mathematician Charles Babbage. In this Analytical Engine, which was never actually built, she already recognised the concept of a universally programmable computer. Our new special exhibition also portrays other female pioneers from the 1940s until today who have made important contributions to the development of information technology. IT began with Ada – and there is no end in sight. As a supporting programme, we not only have a series of lectures on the agenda but also guided tours, educational museum events, a reading with a group called the Pub Readers as well as the Ada Lovelace Day and a big celebration to mark her 200th birthday.

Further information on the exhibition is available at [www.hnf.de/adalovelaceEN](http://www.hnf.de/adalovelaceEN)

## **Patroness of the exhibition**

Johanna Wanka, Federal Ministry of Education and Research

## **Special exhibition**

### **Four exhibition areas**

#### **Ada Lovelace – Pioneer of computer programming**

Family, society, education, Analytical Engine

#### **World War II and computers**

Female codebreakers from Bletchley Park, GB; female ENIAC programmers, U.S.; female calculators in Peenemünde, Germany

#### **Female software pioneers**

Grace Hopper (1906-1992), Mary Allen Wilkes (\*1937), Adele Goldberg (\*1945)

#### **Global digitality**

Christiane Floyd (\*1943), Nadia Magnenat-Thalmann (\*1946), Limor Fried (\*1979)



### **Time tunnel and topic islands**

Women's history from 1800 until today

### **22 interactive stations and exciting stagings**

- How did Ada calculate? Functional principle of the Analytical Engine
- The compiler: This is how it works!
- Object-oriented programming: Milestone for the graphical user interface
- The first home computer from the 1960s
- Humanoid robot »Nadine«

Admission: 3 euros, 1.50 euros (concession)

Group discount, school classes free of charge