

**Name of the cryptosystem:**

SD in the Head  
Full: Syndrome Decoding in the Head  
Short: SDitH

**Principal submitters:**

Carlos Aguilar Melchor, SandboxAQ  
Slim Bettaieb, Technology Innovation Institute  
Loïc Bidoux, Technology Innovation Institute  
Thibault Feneuil, CryptoExperts  
Philippe Gaborit, University of Limoges  
Nicolas Gama, SandboxAQ  
Shay Gueron, University of Haifa and Meta  
James Howe, SandboxAQ  
Andreas Hülsing, Eindhoven University of Technology and SandboxAQ  
David Joseph, SandboxAQ  
Antoine Joux, CISP  
Mukul Kulkarni, Technology Innovation Institute  
Edoardo Persichetti, Florida Atlantic University  
Tovohery H. Randrianarisoa  
Matthieu Rivain, CryptoExperts  
Dongze Yue, SandboxAQ

**Inventors:** Same as submitters

**Owners:** None (dedicated to the public domain)

**E-mail address:** consortium@sdith.org

**Postal address:**

SDitH Consortium  
CryptoExperts  
41, boulevard des Capucines  
75002 Paris  
France

Signed: Carlos Aguilar Melchor

Date: Feb 2<sup>na</sup>, 2025

Place: Toulouse

A handwritten signature in blue ink, appearing to be 'CAR AGU' with a stylized flourish underneath.

Signed: Slim Bettaieb  
Date: 04/02/2025  
Place: Abu Dhabi, UAE

A handwritten signature in black ink, consisting of a stylized 'S' followed by a 'B' and a period.

Signed: Loïc Bidoux

Date: 04/02/2025

Place: Abu Dhabi, UAE

A handwritten signature in black ink, consisting of a stylized capital letter 'B' with a vertical stroke through its center, followed by several horizontal strokes that extend to the right and then curve back to the left, ending under the 'B'.

Signed: Thibauld Feneuil

Date: Feb 04, 2025

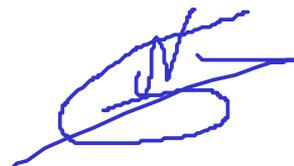
Place: Paris

A handwritten signature in black ink. The name 'Thibauld' is written in a cursive style, with a long horizontal stroke extending to the left. Below it, the name 'FENEUIL' is written in a more formal, slightly stylized font, with a long horizontal stroke extending to the right.

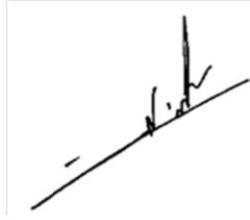
Signed: Philippe Gaborit  
Date: February 2 2025  
Place: Limoges, France

P. Gaborit.  


Signed: Nicolas Gama  
Date: **Feb. 3 2025**  
Place: **Nyon, Switzerland**

A handwritten signature in blue ink, appearing to be 'NG', written over a horizontal line.

Signed: Shay Gueron  
Date: Feb. 4, 2025  
Place: Haifa, Israel

A handwritten signature in black ink, appearing to be 'Shay Gueron', written over a diagonal line that serves as a baseline for the signature.

Signed: James Howe

Date: 02/03/2025

Place: London, UK

*James Howe*

Signed: Andreas Hülsing

Date: February 4, 2025

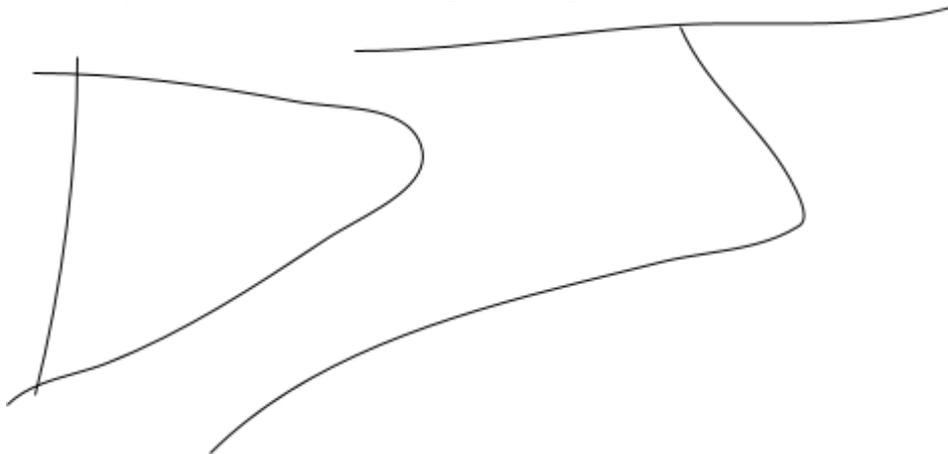
Place: EINDHOVEN

A. Hülsing

Signed: David Joseph

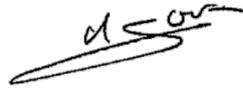
Date: 5 Feb 2025

Place: Hyatt Centric hotel, Arlington, Virginia, U.S.

A handwritten signature in black ink, appearing to read 'D. Joseph'. The signature is composed of several fluid, connected strokes. The first part is a large, rounded 'D' shape, followed by a series of sweeping lines that form the rest of the name.

Signed: Antoine Joux  
Date: Feb 6th, 2025  
Place: Saarbrücken

Antoine Joux

A handwritten signature in black ink, appearing to read 'AJoux', with a long horizontal flourish underneath.

Signed: Mukul Kulkarni

Date: February 4th, 2025

Place: Abu Dhabi, UAE



Signed: Edoardo Persichetti

Date: **02/06/2025**

Place: **Rome**

A handwritten signature in black ink, appearing to read 'Edoardo Persichetti', with a long horizontal stroke extending to the right.

Signed: Tovoherly H. Randrianarisoa

Date: February 6, 2025

Place: Antananarivo

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke at the bottom.

Signed: Matthieu Rivain  
Date: **Feb 04, 2025**  
Place: **Paris**

A handwritten signature in black ink, consisting of several overlapping loops and lines, positioned below the text.

A handwritten signature in black ink, appearing to read 'Dongze Yue'. The signature is fluid and cursive, with the first name 'Dongze' and the last name 'Yue' clearly distinguishable.

Signed: Dongze Yue

Date: Feb 3, 2025

Place: Mountain View, California, USA