

**"THE MULTIPURPOSE VITALITY OF BRAILLE AND HAPTIC IN DIFFERENT
SIGNOGRAPHIES AND LITERACIES: VALUE OF DIVERSITY IN THE SOCIAL PROMOTION
OF EQUITY FOR BLIND PEOPLE IN THE WORLD".**

Scientific event via zoom and/or with in-person participation, to celebrate "World Braille Day" and 200 Years of the Ingenious Invention of the Braille System

Date of completion and location

January 6th and 7th, 2025, at the Nossa Senhora da Esperança Foundation, in Castelo de Vide, Portugal, and online

January 6th – 9h45am

Solemn Opening Session - Presence at the Table

Her Excellency the Minister of Culture: Doctor Maria Dalila Aguiar Rodrigues (To be confirmed)
confirm French Person Responsible for Classifying Braille as Universal Heritage: teacher Dr Joel Hardy Presents the Communication "L'Apprentissage et l'Usage du Braille au Patrimoine Culturel Immatériel").

Mayor of Castelo de Vide: António Pita.

President of the Polytechnic Institute of Portalegre: Professor Dr Luís Loures.

President of the Board of Directors of the Nossa Senhora da Esperança Foundation: teacher Dr João Palmeiro.

President of the Portuguese Typhology Center: teacher Dr Augusto Deodato Guerreiro.

11h00 - coffee break

Program



Panel I (1st Part) - In the Investigative Braillogical Horizon, of Teaching/Learning Braille and Braillographic Representation of Literacy

- **Moderation:** Professor Manuel de Azevedo Antunes (Researcher and Professor/Universidade Lusófona, PhD in Political Science and Member of the Board of Directors of CPTeI and the respective Scientific Council)

11h15 - "The Tyflograficophonetic and Signographic System Representative of Different Letters", by Augusto Deodato Guerreiro (Doctor in Communication Sciences, Aggregate in Sciences of Communication, Specialty Inclusive Communication and Culture and Full Professor Retired from DCC/ECATI/Universidade Lusófona).

11h35 - "The Linguistic and Scientific Intervention Horizon of the Center for Braille and Media Complementary Reading", by Miguel Ferro (Bachelor in International Relations and Coordinator of the Braille and Complementary Reading Center Center/National Institute for Rehabilitation, I.P.).

11h55 - "The State of the Art of Braille (with more Focus on Mathematics) in Reference Schools in Brazil", by Aquilino Rodrigues (Bachelor in Applied Mathematics and Master in Alternative Communication and Assistive Technologies, Technical Director of Sertec - Accessible Technology, Support Products -Accessibility-IT-Training).

12h15 - Debate

12h45 – Free Lunch

Panel I (2nd Part) - In the Investigative Braillogical Horizon, of Teaching/Learning Braille and Braillographic Representation of Literacy

- **Moderation:** Patrícia Ocampo, (Cultural Accessibility Consultant at the Instituto dos Blind people in Milan, Italy)

14h30 - "Haptic-perceptual Development in Braille Teaching/Learning: Grades 1 and 2", by Alberto Mendonça (Bachelor in Modern Languages and Literature and Personality of Merit in NBMCL/INR, I.P.).

15h00 - "The Education of Blind People in the World Using the Braille System", by Maria Romeiras Amado (PhD in History of Education, Researcher in the History of Disability, Researcher at the Digital Humanities Laboratory and the History Institute Contemporary).

15h30 - "The Pleasure of reading...at your fingertips", by Teresa Peres (Master in Education and Special Education Teacher in Lagos).

16h00 - "Pedagogical Training of Teachers for Teaching/Learning in Equity Blind People Who Use Braille in Regular Education", by Carla Alexandra Badalo (PhD in Educational Sciences and Special Education Teacher in Reference Schools)

16h30 - Debate.



January 7th – 10am

PANEL II (1st PART) - THE MULTISENSORY HAPTIC-PERCEPTIVE IN THE INTERACTION AND RELATIONSHIP OF BRAILLOGRAPHIC SOCIOEDUCOMMUNICATIONAL, LINGUISTIC AND ECOACUSTICOLocalizational SIGN

- **MODERATION:** Professor Doctor Manuel da Costa Leite (Researcher and Professor/Universidade Lusófona, PhD in Science of Computing and Member of the CPTEI Scientific Council).

10h00 - "Braille and Haptic-perceptual, Audiotactile and Multisensory in Museums - A Living Example in Castelo de Vide", by João Palmeiro (Doctor in Museology, President of the Board of Directors of FNSE, Vice-President of CPTEI and Director of CEV/MT).

10h20 - "Audio description and the points of view that the interpreter can make. Vicissitudes that interpretation can contemplate to generate an interpretation that is authentic and faithful to reality", by María José García Vizcaíno (Associate Professor of Spanish and Director of the Postgraduate Program in Spanish Translation and Interpreting at Montclair State University).

10h40 - "The Arts and Braillographic Haptic Accessibility", by Aldo Grassini (President of the Tactile Museum of the State of Omero, with duties as director, representative of the Municipality of Ancona).

11h00 – Coffee break

11h15 - "Braille and the Somatosensory and Kinesthetic in Universal Design", by Joana Perry Saes (Doctor in Design, Researcher and Professor at Instituto Superior Miguel Torga and at IPLuso/Universidade Lusófona).

11h35 | "Music Teaching in Equity and the Braille Music Collection in Portugal":

- Teaching Music to Blind and Visually Impaired Students (Testimonial), by Mário Jorge da Costa Garcia (Graduate Piano Course, Concert Artist and Retired Music Education Teacher).

- Music in Braille in Portugal and the Current Technological Potentials to Expand the Music Collection in the World, by José Fernandes da Silva (Bachelor in Educational Guidance, with a Bachelor's Degree in Composition, Musician and Composer, Poet and Writer, Retired Music Education Teacher).

11h55 – Debate



12h15 - "Guided Tour", by Lucia Beijlsmit (Artist/Sculptor, who mainly highlights the contrasts between colors, lines and shapes in carved and polished natural surfaces, organizes a small exhibition with her sculptures, which can be present in situ and be touched by the assistants).

13h00 – Free Lunch

Panel II (2nd Part) - Multisensory Haptic-Perceptual in Interaction and Socio-educucomunicational Braillographic Relationship, Linguistic Sign and Ecoacousticlocalizational

- **Moderation:** Professor Nelson Almeida, Archaeologist, Board of Directors from FNSE and Member of CPTEI

14h30 "Roles of Touch in Mother-Blind Child Interaction", by Renata Fonseca Lima da Fonte (PhD and Post-Doctorate in Linguistics; experience in multimodality, language acquisition and disorders, interaction, joint attention, blindness, autism and digital technology; Researcher and Professor at the Catholic University of Pernambuco - Unicap/Brazil).

14h50 - "LIBRAS and Fingerwriting: Signic and Haptic Interpersonal Communication of Deafblind People", by Simone Frye Peixoto (PhD student in Language Sciences/Unicap; Experience in teaching, interpretation and modern foreign languages, working in inclusion, acquisition, multimodality, interaction, joint attention, teaching, English, Portuguese and Spanish languages; Researcher and EBTT Professor at the Federal Institute of Education, Science and Technology of Pernambuco/Brazil).

15h10 "Proust's Signs in the Lives of Blind Musicians", by Flávio Couto e Silva de Oliveira (Historian, Master and Doctor in Education, researcher in the Study and Research group in History of Education at the Federal University of Minas Gerais/Brazil).

15h30 - "The Braille System and Linguistics: Needs, Adaptations and Challenges", by Luís Filipe Cunha (PhD in Linguistics and Researcher at the Faculty of Arts of the University of Porto.)

15h50 - "The Braille System and Colorimetry: Signographic Representation of Colors":

- C-Braille: Representation of CMYK Colors for Braille: Study for the Creation of a Standard for Application in Visual Impairment, by Mariana Grilo Caetano da Silva (Professor and Master in Alternative Communication and Support Technologies/Portugal) and

- Universal Color Code in Braille, by Rubens Ferronato (Professor MS/Brazil) and Géssica Michelle Pereira (Engineer/Brazil).

16h10 - "Sensory Garden of the Nossa Senhora da Esperança Foundation/Castelo de Vide, what garden 200 years after Braille?", by Manuel da Costa Leite (PhD in Computer Science and Member of the Scientific Council of CPTEI, Researcher and Professor/Lusófona University).

16h30 – Debate



17:00 | CLOSING OF WORK, CONCLUSIONS AND RECOMMENDATIONS

Madam Secretary of State for Social Action and Inclusion: Dr. Clara Marques Mendes (To be confirmed).

President of the National Board of ACAPO: Dr. Rodrigo Santos (To be confirmed).

Professor Maria Romeiras Amado.

Master Aquilino Rodrigues.

President of Fundação Nossa Senhora da Esperança: Professor Doctor João Palmeiro.

President of Centro Português Tiflogia Equidade Inclusão: Professor Augusto Deodato Guerreiro.

ORGANIZING COMMITTEE

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Alexandra Palmeiro.

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Professor Doctor João Palmeiro.

Professor Doctor Manuel de Azevedo Antunes.

Professor Doctor Manoel da Costa Leite.

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Professor Maria Romeiras Amado.

Professor Zélia Belo Torres.

RESOLUTIONS/RECOMMENDATIONS COMMITTEE

Professor Dr. Augusto Deodato Guerreiro.



Professor Doctor João Palmeiro.

Professor Doctor Manuel de Azevedo Antunes.

Professor Doctor Manoel da Costa Leite.

Professor Doctor Nelson Almeida.

ORGANIZATION AND SECRETARIAT

Alexandra Palmeiro.

David Vaqueiro.

Maria de Lourdes Guerreiro.

Objectives of the Scientific Event

With the holding of this scientific event, under the theme "The Versatile Vitality of Braille and Haptics in Different Signographies and Letters: Valuing Diversity in Social Promotion of Equity for Blind People in the World", organized by the Center Typhology Portuguese, in close coordination with FNSE, CEV/MT and JSMCL, to celebrate, in 2025, "World Braille Day" and 200 years of the invention of the system Braille, it is intended: List and analyze cultural spaces and environments, circumstances and situations lacking braillographic identification or without the necessary haptic-perceptual accessibility multisensory, essentially in two fields of study:

I - "In the Investigative Braillogical Horizon, of Teaching/Learning Braille and Braillographic Representation of Letters" and

II - "The Multisensory Haptic-Perceptual in Braillographic Interaction and Relationship socio-educational, linguistic sign and ecoacoustic-localizational".

- Recognize the unequivocal tactile singularity and irreplaceable signographic versatility of the Braille System as the most relevant and vital natural means of reading and writing for use by blind people in the world.

- Assess the multipurpose scope of the Braille System as a haptic process of graphophonetic representation of the different languages in the world and signographic representation of scientific notation and the most diverse literacies. - Reincite and strongly revalue the promotion of brailization processes and the teaching/learning of the practice and use of the Braille System, countering a kind of progressive and unacceptable brailophobia, which is seen in Reference Schools and in other areas and domains of knowledge, in the face of false allegations regarding the supposed advantages of current technological and typhotechnological resources for the digital processing of information and/or reading, through the aid of audio screen readers, promoting the accelerated phenomenon of debrailization and justifying the complete lack of need for braille in the various supports and formats. - To face and positively consider the undeniable added value of the Braille-cursive-synthetic voice multimodality, interconnected with the sensory systems of touch, vision and hearing, which develops fine motor skills, multisensory haptic-perceptive skills, intellect and the abilities/skills of blind people on a holistic level that is increasingly similar to those of sighted people.



- To also recognize the importance of reciprocity between Braille-graphic-phonetic, as the tactile representation of orality for blind and deaf-blind people (perhaps for those who, for whatever reason, want to read it with their eyes), and the simple grapho-phonetic in the cursive representation of orality for sighted people (also for those who want to read it with their fingers in linear relief or, technologically, through Braille or audio screen readers). - To justify the scientific event in question as a high and promising national contribution framed in the grand Homage to Louis Braille, by the world defender of Braille and Typhology/Typhloscience, in the very magnificent and worthy commemorative event in preparation, which is the just elevation, in 2025, of the Brilliant Invention of Louis Braille (consecrated in the Learning and Use of the Braille System) to Intangible Heritage of Humanity, in whose Universalist Candidacy Portugal is also making efforts to integrate it, following the already known Invitation formulated by France and the delivery of our proposal in the Cultural Heritage, a happy event officially communicated by us (the Commission constituted for this purpose and the Portuguese Center of Typhology) to the competent official entities and Typhological Institutions most representative of the problem of blindness in our Country!