Grapholinguistics in the 21st Century, 2022

Télécom Paris, Palaiseau, France, June 8–10, 2022

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Grapholinguistics in the 21st century—From graphemes to knowledge

G21C (*Grapholinguistics in the 21st Century*, also called /gʁafematik/) is a biennial conference bringing together disciplines concerned with grapholinguistics and more generally the study of writing systems and their representation in written communication. The conference aims to reflect on the current state of research in the area, and on the role that writing and writing systems play in neighboring disciplines like computer science and information technology, communication, typography, psychology, and pedagogy. In particular it aims to study the effect of the growing importance of Unicode with regard to the future of reading and writing in human societies. Reflecting the richness of perspectives on writing systems, G21C is actively interdisciplinary, and welcomes proposals from researchers from the fields of computer science and information technology, linguistics, communication, pedagogy, psychology, history, and the social sciences.

G21C aims to create a space for the discussion of the range of approaches to writing systems, and specifically to bridge approaches in linguistics, informatics, and other fields. It will provide a forum for explorations in terminology, methodology, and theoretical approaches relating to the delineation of an emerging interdisciplinary area of research that intersects with intense activity in practical implementations of writing systems.

The *Grapholinguistics in the 21st Century* Conference is kindly endorsed by ACL (Association for Computational Linguistics) and by ATypI (Association Typographique Internationale).

The first edition of G21C was held in Brest, France, on June 14-15, 2018

and the second edition was held online on June 17-19, 2020.

Sponsored by IMT Atlantique and LabSTICC CNRS laboratory (UMR 6285)

List of Presentations

LIST OF KEYNOTE PRESENTATIONS (in alphabetical order)

- NØRGAARD Nina — *Typographic Meaning in the Novel*
- SPROAT Richard — *Computational Methods in the Analysis of Graphical Symbol Systems*

LIST OF ORAL PRESENTATIONS (in alphabetical order)

- AWAD Dana and MOURAD Ghassan — *Elements of Arabic paragraph structure: a contrastive study with French*

- COLUZZI Paolo — *The ideology of 'monographism' and the advantages of digraphia: The case of Lombard*

- CONTESSE Adrien, THOMAS Chloé, REBULARD Morgane, DANET Claire, BIANCHINI Claudia S., CHEVREFILS Léa and DOAN Patrick — *Designing a Transcription Font for Mouth Actions in Sign Languages : The Typannot Typographic System*

- DICHY Joseph — *Why did Semitic writings not include short vowels in their alphabet inventory? Two complementary explicative hypotheses*

- DOCTOR Raiomond, GUTKIN Alexander, JOHNY Cibu, ROARK Brian and SPROAT Richard — *Graphemic Normalization of the Perso-Arabic Script*

- DYSON Mary — *Perceptual disfluency through hard-to-read fonts: is there a satisfactory explanation?*

- ELTI DI RODEANO, Sveva — *From clay tablet to digital tablet: the diamesic variation of writing*

- GARTON Rachel, DALE Merrion, L. ROY Somi and BASUMATARY Prafulla — *Endangered Languages in the Digital Public Sphere: A case study of the writing systems of Boro and Manipuri*

- GNANADESIKAN Amalia — *Amodal Morphology: Applications to Brahmic Scripts and Canadian Aboriginal Syllabics*

- GORMAN Kyle and SPROAT Richard — *On the Persistent Conflation of Writing and Language*

- HARBOUR Daniel — *Decipherment's missed step: What the Rosetta Stone could have taught us about hieroglyphs*

- HONDA Keisuke — *Lexically valued signs in the current Japanese writing system*

- HUMBERSTONE, Katy C. — *Tracing the Breton landscape of Gouarec: Typographetics in the LL*

- IYENGAR Arvind — *The akshara as a graphematic unit*

- JAROSCH Julian — *Reading and Rating Monospaced Fonts: Empirical Studies on the Ergonomics and Aesthetics of Non-Proportional Latin Script*

- JOYCE Terry — *Reconsidering the distinction between partial and full writing systems*

- KETTANEH Christine — *Asemic Writing*

- KLEIN David and SPITZMÜLLER Jürgen — *Blind Spots: On the Discursive (In-)Visibility of Braille as Opposed to Sign Language*

- KÜSTER Marc Wilhelm — *Fantastic Letters - Writing in a Fictional World*

- LIAO Yongfu and Shu-HSIEH Kai — *A Toolkit for Sub-character*

Analysis of Chinese Corpora

- MAGISTRY Pierre and GOUDIN Yoann — *Radical change ? Shifting from cultural semantic speech to phonological cues for sinogram documentation, analysis and representation*

- MAGOWAN Helen — *De-Aestheticizing the Artist's Brush: the Pragmatics of Calligraphic Writing*

- MANSOUR Kamal — *The Sorcerer's Brew*

- McCAY Kelly — *'Let vs Inglish not be ashamed': Intellectual, Sociolinguistic, and Typographical Factors Behind Sixteenth-Century English Spelling Reform*

- MELETIS Dimitrios — *Types of orthographic standardization: A sociolinguistic approach*

- MENG Elvin — *Life in the Six Scripts: A 12th-Century Chinese Scholar on Music, Magic, and the Morphogenesis of Writing*

- NEEF Martin — *120 years of German orthography reforms: A story of secrecy*

- PASKOJEVIC Kristian — *Application of the Grapholinguistics in the Palaeography. Study Case – Croatian Glagolitic and Cyrillic Palaeography*

- PERRI Antonio and FEDOROVA Liudmilla — *Emblematic techniques as textual strategies in non-linear and linear scripts*

- PINAR Karakilcik — *Back to the Future: "Prendre au vol" Armeno-Turkish corpora as a sociolect continuum*

- SALOMON Corinna — *Source eclecticism in the borrowing of writing*

- SCHINDELIN Cornelia — *The Chinese Script as a Self-regulating System. Applying Köhler's Basic Model of Synergetic Linguistics to Chinese Characters*

- SHOMER Michal — *Multi-Gender Hebrew: Creating a New Space in the Hebrew Language*

- SLAMĚNÍKOVÁ Tereza — *Secrets Hidden in Commercial Names: A Case Study of Chinese Restaurant Names in Prague*

- SONG Chenchen — *Sentence-final particle vs. sentence-final emoji: The syntax-pragmatics interface in the era of CMC*

- SPITZMÜLLER Jürgen — *(Typo-)Graphic Knowledge: From 'Semiotic Resource' to 'Social Practice'*

- TAHA Haitham — *Does statistical learning, as a cognitive tool, determines the effectiveness of grapheme learning? evidence from typical and poor readers*

- TYRAN Katharina — *Reinterpreting the semiotics of Glagolitic*

- XU Duoduo — *A Grapholinguistic Analysis of Dongba Script*

- ZADKA Małgorzata — *Writing systems as a multimodal phenomenon*

LIST OF POSTER PRESENTATIONS (in alphabetical order)

- BERTHIN Gordon — *Qualitative and Quantitative Validation of Rongorongo Glyph Strings on Easter Island Artefacts*

- BIEŃ Janusz S. — *16th century Latin brevigraphs in Unicode - a computer resource*

- BORYSIEWICZ Zofia Janina — *The second life of Chaim*

- DECLERCK Thierry and HOMBURG Timo — *Towards the Integration of Cuneiform in the OntoLex-Lemon Framework*

- HARALAMBOUS Yannis, FETNACI Nawal and VARIN Marie — *On Arabic Braille*

- JEE Hana and SHILLCOCK Richard — *Does Korean intentional grapho-phonemic systematicity assist learning?*

- MELKA Tomi S. and SCHOCH Robert M. — *The Intersection between Art, Non-Linguistic Symbol Systems, and Writing: The Case of the Wari, Tiwanaku, and Inka Iconographies*

Main Topics of Interest

We welcome proposals from all disciplines concerned with the study of written language, writing systems, and their implementation in information systems. Examples of topics include, but are not limited to:

Epistemology of grapholinguistics: history, onomastics, topics, interaction with other disciplines
Foundations of grapholinguistics, graphemics and graphetics
History and typology of writing systems, comparative graphemics/graphetics
Semiotics of writing and of writing systems
Computational/formal graphemics/graphetics
Grapholinguistic theory of Unicode encoding
Orthographic reforms, theory and practice
Graphemics/graphetics and multiliteracy
Writing and art / Writing in art
Sinographemics
Typographemics, typographetics
Texting, latinization, new forms of written language
ASCII art, emoticons and other pictorial uses of graphemes
Linguistic landscape
The future of writing, of writing systems and styles
Graphemics/graphetics of science-fiction and astrolinguistics
Graphemics/graphetics and font technologies
Graphemics/graphetics in steganography and computer security (phishing, typosquatting, etc.)
Graphemics/graphetics in art, media and communication / Aesthetics of writing in the digital era
Graphemics/graphetics in experimental psychology and cognitive sciences
Teaching graphemics/graphetics, the five Ws and one H
Grapholinguistic applications in natural language processing and text mining
Grapholinguistic applications in optical character recognition and information technologies

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Jürgen Spitzmüller, Universität Wien, Vienna, Austria
Richard Sproat, Google Research, Tokyo, Japan
Kenneth Whistler, Unicode Consortium, Berkeley, California, USA

Organizer

Yannis Haralambous, IMT Atlantique & CNRS Lab-STICC, Brest, France

Location

The conference will be held in hybrid mode: participants will be able to present and interact in videoconference mode (Zoom) or to assist physically, if sanitary conditions allow it. The physical location will be: Thévenin Amphitheater, *Télécom Paris*, 19 place Marguerite Perey, 91120 Palaiseau, France. Access Information

Important dates

~~Submission deadline: January 10th 20th 26th, 2022~~
~~Notification of acceptance: April 4th, 2022~~
Conference: June 8-10, 2022
Submission of paper for *Proceedings*: October 3rd, 2022
For more information on the conference please visit

https://grafematik2022.sciencesconf.org
and follow
https://twitter.com/grafematik_conf

Registration Fee

- Full registration (onsite participation) : 100 €
- Onsite full registration includes lunches, coffee breaks and a T-shirt (size to be given during registration). Onsite registration deadline: May 30th, 2022.
- Dinner event, on June 9th, 2022 : 50 €
- Extra T-shirt : 20 €
- Full registration (online participation) : 30 €

To register, please click on "Registration". in cas you already have a sciencesconf.org account please use your credentials to enter. Otherwise please fill in your personal data in the form that will be displayed. Besides your personal data, we will need the following:

- your timezone, especially for those participating in online mode
- the choice between onsite participation (€100) and online participation (€30)
- in case you participate onsite, the number of participants at the dinner event (on June 9th, 2022, 19:30), between 0 and 4. The cost for each person is €50
- your food preferences (no preferences or vegetarian)
- onsite participation entitles to you to a T-shirt preference (included in the €100 fee), please indicate the size
- if you want extra T-shirts please given us the quantity and sizes

Proceedings

The Proceedings will be published by *Fluxus Editions* publishing house (Brest, France) as a volume of the Grapholinguistics and Its Applications Series. Articles in the Proceedings can be 12-60 pages long (LaTeX article style) and can be written in English, French or German. Instructions can be found here. The submission deadline is September 5th, 2022.

Online user: **1**

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