

# Houda Elmimouni

Computing Innovation Fellow, Postdoctoral researcher  
Luddy School of Informatics, Computing, and Engineering  
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## EDUCATION

<b>PhD</b>	<b>Drexel University.</b> College of Computing and Informatics. <i>PhD in Information Science</i> Committee: Andrea Forte (Chair), Eric P. S. Baumer (Lehigh), Susan Fussell (Cornell), Susan Gasson (Drexel), Aleksandra Sarcevic (Drexel)	Philadelphia, PA 2021
<b>MSILS</b>	<b>Pratt Institute.</b> School of Information and Library Science. <i>Fulbright Study Grant recipient</i>	Brooklyn, NY 2013
<b>BA</b>	<b>Mohammed V University.</b> <i>Bachelor of Arts in Language and Pedagogy</i> <i>Bachelor of Arts in Linguistics</i>	Rabat, Morocco 2010
<b>BSIS</b>	<b>School of Information Science.</b> <i>Bachelor of Science in Information Science</i>	Rabat, Morocco 2009
<b>AS</b>	<b>La Référence School.</b> <i>Diploma in Software Development</i>	Sale, Morocco 2008

## HONORS, AWARDS & GRANTS

### Awards

2022	ACM OSS / OpenSym 2022 Distinguished Paper Award.
2021 – 2023	CRA & CCC's NSF-funded Computing Innovation Fellowship.
2020	Eugene Garfield Doctoral Dissertation Award. Beta Phi Mu.
2018	Highly Commended Teaching Assistant. Graduate College. Drexel University.
2017	ACM DIS 2017 Best Paper Award. Against Marrying a Stranger: Marital Matchmaking Technologies in Saudi Arabia" with Al Dawood, A., Abokhodair, N., Yarosh, S., Edinburgh, UK. June 10-14, 2017.
2017	Phoebe W. Haas Endowed Fellowship for Academic Achievement.

- 2015 ACM Ubicomp 2015 Best Paper Award. From Computational Thinking to Computational Making” with Rode, J., Weibert, A., Marshall, A., Aal, K., Rekowski, T. V. & Booker, J., Osaka, Japan. September 7-11, 2015.
- 2015 Broadening Participation Workshop Grant. ACM Ubicomp 2015.
- 2015 Phoebe W. Haas Endowed Fellowship for Academic Achievement.
- 2014 ASIS&T New Leaders Award. Received at the annual ASIS&T conference in Seattle, WA.
- 2013 METRO Innovative Internship Fellowship. NYU Libraries.
- 2013 Highest Honors Pratt Institute Circle Award for Outstanding Academic Achievement.
- 2013 Beta Phi Mu (International Honor Society for Library & Information Science and Technology).
- 2011 – 2013 Fulbright Recipient for a master’s degree in information science.
- 2006 – 2010 ISTIHKAQ (a merit scholarship awarded by the King Mohammed VI Foundation).
- 2009 President of Students’ Association Achievement Award. Ecole des Sciences de l’Information.

## Travel Grants

- 2019 GHC 2019. Orlando, Florida. From Google
- 2019 CSST summer school 2019. New Brunswick, NJ. From Consortium for the Science of Sociotechnical Systems
- 2019 ArabWIC 2019. Rabat, Morocco. From ArabWIC
- 2018 Invitation to attend Human Computer Interaction Consortium (HCIC)
- 2018 ACM CHI 2018. Montreal, Canada. From Drexel CCI
- 2017 ACM 50 Years of A.M. Turing Award Celebration as a SIGCHI Ambassador. San Francisco, CA. From SIGCHI
- 2016 CHC 2016. Houston, TX. From Drexel CCI
- 2016 ASIS&T conference. St. Louis, Missouri, MO. From Drexel CCI
- 2016 ACM Ubicomp conference. Osaka, Japan. From ACM
- 2016 IFLA meeting. Cape-Town, SA. From Drexel CCI
- 2015 ISKO conference. London, UK. From Drexel CCI
- 2014 ASIS&T conference. Seattle, WA. From Drexel CCI
- 2012 ASIS&T conference. Baltimore, MD. From Pratt SILS
- 2012 ALA conference at Anaheim, CA. From Pratt SILS

## Research Grants

- (PI) CRA & CCC’s NSF-funded Computing Innovation Fellowship. 2021 - 2023
- (PI) International Fulbright Fellowship. 2011- 2014

## PROFESSIONAL EXPERIENCE

- 2021-- **Computing Innovation Fellow & Postdoctoral Researcher.** R-House Laboratory for Human-Robot Interaction research. Informatics department. Indiana University Bloomington
- 2021-2022 **Instructor of record.** Indiana University Bloomington  
Co-taught the undergraduate level of introduction to HCI

- 2019- 2020 **Graduate Research Assistant.** Drexel University.  
 -**Project 1: Privacy Enhancing Technologies:** In this project we explore why and how people seek anonymity online, why, and how internet infrastructure supports it, and find ways to assess the value of anonymous online participation.  
 -**Project 2: Wikipedia and Trust:** In this project we examine how people judge the quality of information in Wikipedia articles, what factors contribute to that judgement and how to improve Wikipedia users' experience.
- 2017-2019 **Instructor of record.** Drexel University.  
 Re-designed and independently taught the graduate level HCI course (INFO 608)
- 2014-2017 **Graduate Research Assistant.** Drexel University.  
 - **Project 1:** Cross-Cultural Study in the Use of non-verbal Cues in Computer Mediated Communication: This project examines the differences and the similarities in the use of non-verbal cues, such as emoticons, cross-culturally. We are specifically looking into American, Arab, and Korean tweets and weblogs.  
 - **Project 2:** Teaching Kids Technology Using e-Textiles: We use e-textiles to playfully teach kids computational thinking and making skills, such as coding, connecting cables, sewing and so on. During the teaching sessions, we collect data to study the learning process and how e-textiles improve the kids' technical and social abilities.
- 2013- 2014 **EdLab Services Associate.** Columbia University.  
 -Planned usability testing for the mSchool platform  
 -Provided reference, research assistance, and circulation services at the front desk  
 -Instructed about the EdLab tools
- 2013- 2014 **User Experience Intern and practicum liaison.** New York University Libraries.  
 -Created a website for the Pratt UX practicum at NYU Libraries  
 -Re-designed parts of the website of the NYU Libraries  
 -Developed a collection of UX tools and materials for use by library and university staff members  
 -Conducted usability tests and created a prototype for the Arabic Collections Online (ACO)

## FIELDWORK

### **Telepresence robots in the classroom.** Indiana University Bloomington (2021-2022)

Led and coordinated a study that involves observations of remote students attending classes via beams, after use beam pilot interviews, surveys and interviews with classmates, and participatory design with the different stakeholders.

### **Telepresence robots in the classroom.** Cornell University. (Spring 2018)

I observed students using telepresence robots to attend CMC classes. During the sessions, I collected data about the telepresence use by taking field notes, photos, videos, and screen-recordings. I also conducted in-depth interviews after the sessions.

### Teaching kids technology using E-textiles. Rainbow lab. (Spring 2014)

I assisted in organizing and delivering e-textile classes to playfully teach kids computational thinking and making skills. During the teaching sessions, I observed and took notes to study the learning process and how e-textiles improve the kids' technical and social abilities.

## SELECTED PUBLICATIONS

### Peer-reviewed Conference Papers:

- **Houda Elmimouni**, Houda Elmimouni, Amy Kinney, Elizabeth C. Brooks, Hannah Li, and Selma Sabanovic. 2023. "Who's that?": Identity Self-Perception and Projection in the Use of Telepresence Robots in Hybrid Classrooms. In Companion of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI '23). Association for Computing Machinery, New York, NY, USA, 287–291. <https://doi.org/10.1145/3568294.3580090>
- **Houda Elmimouni**, Erica Shusas, Patrick Skeba, Eric P. Baumer, and Andrea Forte. 2023. What makes a technology privacy enhancing? laypersons' and experts' descriptions, uses, and perceptions of privacy enhancing technologies. In Information for a Better World: Normality, Virtuality, Physicality, Inclusivity. 18th International Conference, iConference 2023, Virtual Event, March 13–17, 2023, Proceedings, Part II, pp. 229-250. Lecture Notes in Computer Science, vol 13972. Springer, Cham. [https://doi.org/10.1007/978-3-031-28032-0\\_20](https://doi.org/10.1007/978-3-031-28032-0_20)
- **Houda Elmimouni**, Andrea Forte, and Jonathan Morgan. 2022. Why People Trust Wikipedia Articles: Credibility Assessment Strategies Used by Readers. In The 18th International Symposium on Open Collaboration (OpenSym 2022), September 7–9, 2022, Madrid, Spain. ACM, New York, NY, USA, 10 pages. <https://doi.org/10.1145/3555051.3555052> (**Distinguished Paper Award**. This is a prize awarded to less than 1% of submitted papers).
- **Houda Elmimouni**, John Paulin Paulin Hansen, Susan Herring, James Marcin, Marta Orduna, Pablo Perez, Irene Rae, Janet Read, Jennifer Rode, Selma Sabanovic, and Verónica Ahumada. 2022. Emerging Telepresence Technologies in Hybrid Learning Environments. In Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems (CHI EA '22). Association for Computing Machinery, New York, NY, USA, Article 85, 1–5. <https://doi.org/10.1145/3491101.3503728>
- **Houda Elmimouni**, Erica Racine, Patrick Skeba, Eric PS Baumer, and Andrea Forte. 2020. What are PETs for Privacy Experts and Non-experts. In Symposium on Usable Privacy and Security (SOUPS).
- Kapllani, Levi, and **Houda Elmimouni**. 2020. Gestalt principles in web design: A study of the usage of similarity, symmetry and closure in today's websites. Proceedings of the Association for Information Science and Technology 57, no. 1 (2020): e340.
- Ana Luísa Sertã, **Houda Elmimouni**, Louise Barkhuus, Rosie Cox, and Jennifer Rode. 2019. Digital Housekeeping, Gender and Domestic Work. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19). Association for Computing Machinery, New York, NY, USA, Paper SIG03, 1–4. <https://doi.org/10.1145/3290607.3311759>
- **Houda Elmimouni**, Susan R. Fussell, Susan Herring, Carman Neustaedter, and Jennifer Rode. 2018. SIG on Telepresence Robots. In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (CHI EA '18). Association for Computing Machinery, New York, NY, USA, Paper SIG05, 1–4. <https://doi.org/10.1145/3170427.3185376>
- Adel Al-Dawood, Norah Abokhodair, **Houda Elmimouni**, and Svetlana Yarosh. 2017. "Against Marrying a

Stranger": Marital Matchmaking Technologies in Saudi Arabia. In Proceedings of the 2017 Conference on Designing Interactive Systems (DIS '17). Association for Computing Machinery, New York, NY, USA, 1013–1024. <https://doi.org/10.1145/3064663.3064683> (**Best Paper Award**. This is a prize awarded to less than 1% of submitted papers).

- David Hankerson, Andrea R. Marshall, Jennifer Booker, **Houda Elmimouni**, Imani Walker, and Jennifer A. Rode. 2016. Does Technology Have Race? In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '16). Association for Computing Machinery, New York, NY, USA, 473–486. <https://doi.org/10.1145/2851581.2892578>
- Jennifer A. Rode, Andrea Marshall, **Houda Elmimouni**, and Jennifer Booker. 2016. Computational Making (Abstract Only). In Proceedings of the 47th ACM Technical Symposium on Computing Science Education (SIGCSE '16). Association for Computing Machinery, New York, NY, USA, 494. <https://doi.org/10.1145/2839509.2850522>
- Jung-Ran Park, Chris Yang, Yuji Tosaka, Qing Ping, and **Houda Elmimouni**. 2016. Developing an automatic crawling system for populating a digital repository of professional development resources: A pilot study. *Journal of Electronic Resources Librarianship* 28, no. 2 (2016): 63-72.
- Jung-Ran Park, Akshay Sharma, and **Houda Elmimouni**. 2016. Developing an automatic metadata harvesting and generation system for a continuing education repository: a pilot study. *ICConference 2016 Proceedings*.
- **Houda Elmimouni** and Craig M. MacDonald. 2015. Culture and information architecture: a study of American and Arab academic websites. In Proceedings of the 78th ASIS&T Annual Meeting: Information Science with Impact: Research in and for the Community (ASIST '15). American Society for Information Science, USA, Article 91, 1–4.
- Jennifer A. Rode, Anne Weibert, Andrea Marshall, Konstantin Aal, Thomas von Rekowski, **Houda Elmimouni**, and Jennifer Booker. 2015. From computational thinking to computational making. In Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp '15). Association for Computing Machinery, New York, NY, USA, 239–250. <https://doi.org/10.1145/2750858.2804261> (**Best Paper Award**. This is a prize awarded to less than 1% of the 2,000 submitted papers).
- Jung-ran Park, Yuji Tosaka, Chris Yang, Qing Ping, and **Houda Elmimouni**. 2015. Identifying Continuing Education Resources on New Data Standards and Technologies through an Automatic Crawling System. *Proceedings of the International Society for Knowledge Organization UK Conference (ISKO-UK) 2015*. London, UK, July 13-14, 2015.

### Peer-reviewed Journal Papers:

- Jung Ran Park, and **Houda Elmimouni**. 2020. Emoticons and non-verbal communications across Arabic, English, and Korean Tweets. *Global Knowledge, Memory and Communication*, 69(8/9), pp.579-595.
- Irene Lopatovska, Aimee Slater, Caitlin Bronner, **Houda Elmimouni**, Leanora Lange, and Victoria Ludas Orlofsky. 2014. In transition: academic e-book reading in an institution without e-books. *Library Review*, 63(4/5), pp.261-275.

### Book Chapters:

- **Houda Elmimouni**, Jennifer Anderson, Nadaleen F. Tempelman-Kluit, and Alexandra Dolan-Mescal.

2018. UX Work in Libraries: How (and Why) to Do It. In *Developing In-House Digital Tools in Library Spaces*, pp. 1-36. IGI Global.

### Lightly peer-reviewed work/presentations:

- **Houda Elmimouni** and Selma Šabanović. 2022. Robotic Telepresence to Support Remote Classroom Attendance and Interactions. Poster presentation. NITRD 30<sup>th</sup> Anniversary Symposium. Washington, DC
- **Houda Elmimouni** and Selma Šabanović. 2022. Robotic Telepresence to Support Remote Classroom Attendance and Interactions. Position Paper. Exploring the Roles of Robots for Embodied Mediation. ICRA 2022. Philadelphia, PA
- **Houda Elmimouni**, Andrea Forte and Susan Fussell. 2019. Robotic Telepresence and Diversity in the Classroom. Position Paper. Learning from Team and Group Diversity: Nurturing and Benefiting from our Heterogeneity. CSCW 2019. Austin, TX.
- **Houda Elmimouni**. 2019. User Centered Design. ARABWIC. Rabat, Morocco, March, 2019.
- **Houda Elmimouni** and Jennifer Rode. 2016. Computational Making Experience. Juried poster at iConference 2016 in Philadelphia, March 20, 2016.
- **Houda Elmimouni** and Jung-ran Park. 2015. Transliteration and Retrieval Issues: Case of Arabic Language in Social Media. IFLA 2015. Cape Town, South Africa, August 15-21, 2015

## INVITED TALKS & PANELS

### Talks

- *"Explicit Bias and the Design of Technologies."* Human-Computer Interaction class. (Hosted by Prof. Yuanyuan Feng). University of Vermont, Burlington, VT. December 2021
- *"Robotic Telepresence in the Classroom."* R-house lab at IU Luddy (Hosted by Prof. Selma Šabanović). Bloomington, IN. October 2021
- *"User Experience in Libraries."* The Arab Federation for Libraries and Information (AFLI). Online lecture. March 26, 2021
- *"Privacy Habitus? A Comparison of Privacy Experts' and Non-experts' Perceptions, Motivations and Use of Privacy Practices."* Informatics colloquium series. Indiana University Luddy School of Informatics, Computing, and Engineering. January 2021
- *"User-Centered Design."* Hosted by School of Information Science in Morocco for its students and Alumni. School of Information Science, Rabat, Morocco. March 2019
- *"Design Failures and Users Values."* Social aspects of information systems class. (Hosted by Prof. Jung-ran Park). Drexel University, Philadelphia, PA. February 2019
- *"Robotic Telepresence for the Classroom"* Computer Mediated Communication class. (Hosted by Prof. Susan Fussell). School of Information Science. Cornell University. Ithaca, NY. March 2018

## Panels

- *"Le rôle des sociétés savantes/professionnelles dans l'ouverture et l'enrichissement des acteurs du domaine des sciences de l'information."* Panel hosted by University of Toronto, l'Ecole des Sciences de l'Information and ASIS&T. Apr. 2021
- *"Women Servicing Women in Computing and Beyond."* IEEE SERVICES 2020. WISC Symposium III, Beijing, China. October 18-24, 2020 (Invited Panelist). October, 2020
- *"Robots and Research."* With Jennifer A. Rode. The Intellectual Life Program. UCL Knowledge Lab. University College London, UK. June 2017

## TEACHING EXPERIENCE

### Indiana University: Instructor of record

Spring 2023: ENGR- E390 Undergraduate Independent Study.

Summer 2021 : I300: Human-Computer Interaction (28 students, Undergraduate, co-taught w/ Andy Hunsucker) [Online]

### Drexel University: Instructor of record

Winter 2021: INFO608: Human-Computer Interaction (18 students, Graduate) [Online]

Summer 2019: INFO608: Human-Computer Interaction (11 students, Graduate) [Hybrid]

Spring 2019: INFO608: Human-Computer Interaction (18 students, Graduate) [Hybrid]

Winter 2019: INFO608: Human-Computer Interaction (29 students, Graduate) [Hybrid]

Fall 2018: INFO608: Human-Computer Interaction (22 students, Graduate) [Hybrid]

Summer 2018: INFO608: Human-Computer Interaction (18 students, Graduate) [Hybrid]

Spring 2018: INFO608: Human-Computer Interaction (15 students, Graduate) [Hybrid]

Winter 2018: INFO608: Human-Computer Interaction (30 students, Graduate) [F2F]

Fall 2017: INFO608: Human-Computer Interaction (7 students, Graduate) [Hybrid]

## MENTORING EXPERIENCE

### Indiana University

- Griffin Peters, undergraduate, 2022-2023
- Cooper Young, undergraduate, 2022-2023
- Amy Kinney, undergraduate, 2022-2023
- Elizabeth Brooks, undergraduate, 2022-2023
- Ritu Sundaram, undergraduate, 2021-2022
- Hannah Li, undergraduate, 2021

# SKILLS

## Technology Skills

**User Experience:** Slickmap, Websort, Balsamiq, Axure, Omnigraffle, Figma.

**Content Management Systems:** Drupal, Omeka, Joomla, Wordpress.

**Languages:** Python, HTML, CSS, PHP, SQL, VB, Pascal.

**Data Analysis:** IBM SPSS, Qualtrics, Dedoose, Atlas.ti, MAXQDA.

**Other:** Overleaf, Google Workspace, Microsoft Office 365, Box.

## Methods

Qualitative methods (user research, participatory design, interviewing, observation, diaries, focus groups), competitive analysis, usability, lab experiments, heuristic evaluations, prototyping, user interface design.

## Language Skills

**Arabic, French, and English:** Full proficiency.

**Spanish:** Working knowledge.

**Portuguese, German:** Basic knowledge.

# SERVICE & MEMBERSHIPS

## Co-organizing Workshops, SIGs

- First HCI workshop in Morocco. 2023.
- Emerging Telepresence Technologies in Hybrid Learning Environments. CHI. 2022.
- SIG on Telepresence Robots. CHI. 2018.

## Grants and Awards Adjudication

- National Science Foundation Fellowship (CSGrad4US). 2021

## Reviewing for conferences and journals

- EDUCHI 2023
- HRI 2023
- CACM 2022, 2023
- CHI 2016, 2017, 2019, 2020, 2022
- iConference 2016, 2017, 2022
- DIS 2016, 2017, 2018
- CSCW 2017, 2021, 2022
- UbiCamp 2016, 2021
- IDC 2017, 2022

## Conference Student Volunteering

- CHI Conference. Montreal, Canada, April 2018
- CHI Conference. Denver, CO, May 2017
- iConference, Philadelphia, PA, March 2016
- Grace Hopper Celebration (GHC) Conference. Houston, TX, October 2015
- Ubicomp Conference. Osaka, Japan, September 2015



- IFLA Congress (International Federation of Library Associations and Institutions). Cape Town, South Africa, August 2015
- World Information Architecture Day. New York City, NY. November 2013-2015

### **Leadership Roles**

- *HCI research co-chair*, ArabWIC Research. 2021- 2022
- *Graduate Liaison*, Drexel Women in Computing (WiCS). 2015- 2016
- *Co-chair*, Pratt International Students' Association (PISA). 2011 - 2013
- *President*, Moroccan Association for Students in Information Science (AMESI). 2008-2009

## **NEWS & MEDIA COVERAGE**

- Luddy News Story: **Cutting-edge study embeds students into robots for sci-fi-like educational opportunity.** November 2022  
<https://tinyurl.com/2pux75sv>
- Luddy News: **Caldeira, El Mimouni named 2020 Computing Innovation Fellows.** October 2020.  
<https://tinyurl.com/2s2k6k2r>
- Drexel CCI Stories: **Q&A with PhD Candidate and 2020 Computing Innovation Fellow Houda El mimouni.** August, 2020. <https://tinyurl.com/yck7ksc6>
- Drexel News: **Houda El mimouni and Jiangen He Awarded 2020 Eugene Garfield Doctoral Dissertation Fellowships.** July, 2020. <https://tinyurl.com/bddsnae8>