

# David Nemer, PhD

Assistant Professor

Information Communication Technology (ICT)  
School of Information Science (SIS)  
College of Communication and Information (CI)  
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## Research and Teaching Interests

Social media, information and communication technology for development (ICT4D), science and technology studies (STS), human-computer interaction (HCI), postcolonial and critical theory, future of work, and community informatics.

## Education

**Indiana University**, Bloomington, IN, USA  
Ph.D. in Informatics, 2015

Dissertation: “*Rethinking Digital Inequalities: The Experience of the Marginalized in Community Technology Centers*”

Committee: Eden Medina (advisor and chair), David Hakken, Mary L. Gray, and Prof. Hamid Ekbia

**Saarland University**, Saarbrücken, SB, Germany  
M.Sc. in Computer Science, 2010

Thesis title: “*Analyzing the Impact of Source Code Changes on Software Execution Behavior*”

Committee: Kim Herzig, David Schuler, Andreas Zeller (chair), Sebastian Hack and Reinhard Wilhelm

**Universidade Federal do Espírito Santo (UFES)**, Vitória, ES, Brazil  
B.Sc. in Business Administration, 2007

Thesis title: “*Hospital Accreditation and the Organizational Changes – A Case Study of Two Hospitals in the State of Espírito Santo*”

Committee: Dirce Nazaré (chair) and Luiz Leôncio Lorenzoni

**Faculdades Integradas Espírito-Santenses (FAESA)**, Vitória, ES, Brazil  
B.Sc. in Computer Science, 2006

Thesis title: “*CHARMER: A Tool to Support Software Validation Tests*”

Committee: Ligia Silveira (chair) and Andromeda Menezes

## Honors and Awards

CHI 2018 Diversity Champion Recognition Emerging Voice

IAPP Distinguished Paper Award at SOUPS 2018

Best Paper Award: Honorable Mention from CHI Conference on Human Factors in Computing, 2017.

Special Tribute: Person of the Year in Science and Technology, Ministry of Science and Technology, ES, Brazil, 2016.

The 2016 Social Informatics Best Paper Award Runner-up, ASIS&T.

Associate Instructor of the Year (Informatics) Award, Indiana University, 2015.

Richard Tapia Scholarship Award, 2014.

Rob Kling Center for Social Informatics Travel Award, 2013.

Humanities, Arts, Science, & Technology Advanced Collaboratory (HASTAC), 2012.

DAAD/TU Kaiserslautern, Academic Excellence Award, April 2009.

DAAD/TU Kaiserslautern, Academic Excellence Award, April 2008.

## Research Grant Funding

### 2018

Co-I: David Nemer (PI: Shannon Oltmann. Co-I: Soohyung Joo)

Title: Activating Appalachian Communities: Investigating How Public Libraries Can Partner with Community Groups to Serve Working-Age Adults

Funding Source: Institute of Museum and Library Services

Amount: \$124,196.00 – **Requested / In Review**

PI: David Nemer (Co-Is: Yasodara Cordova, Juliano Spyer, & Mauricio Moura)

Title: Misinformation and Elections in Brazil

Funding Source: WhatsApp Research Awards for Social Science and Misinformation

Amount: \$50,000.00 – **Not Funded**

Co-I: David Nemer (PI: Matthew W Wilson. Co-I: Lauren Cagle)

Title: Documenting the Spatialities of Ephemeral Digital Culture.

Funding Source: National Endowment for the Humanities. Office of Digital Humanities

Amount: \$50,000.00 – **Not Funded**

### 2017

PI: David Nemer

Title: Information Communication Technology (ICT) for Eastern Kentucky (ICT4EKY) Research and Creative Activities Program (RCAP) Funding Award

Funding Source: College of Communication and Information, University of Kentucky.

Amount: \$3,800.00 – **Funded**

## **2016**

PI: David Nemer

Title: Strengthening ties between China and Kentucky.

Funding Source: UK Confucius Institute Faculty Grant, University of Kentucky.

Amount: \$2,500.00 – **Funded**

## **2013 & 2014**

PI: David Nemer

Title: Rethinking Digital Inequalities in the Favelas of Brazil

Funding Source: Rob Kling Center for Social Informatics Fellowship, Indiana University.

Amount: \$5,000.00 – **Funded**

## **2012**

PI: David Nemer

Title: Exploring the Digital Inequalities in Brazil

Funding Source: CLACS Tinker Field Research Grant, Indiana University.

Amount: \$1,500.00 – **Funded**

## **Professional Experience**

### **University of Kentucky**

Assistant Professor in the School of Information Science, 2015 – Present

Adjunct Assistant Professor in Geography, 2018 – Present

Faculty Affiliate, Committee on Social Theory, 2016 – Present

Faculty Affiliate, Gender and Women's Studies, 2016 – Present

Faculty Affiliate, Center for Equality and Social Justice, 2017 – Present

Faculty Fellows Cohort 8, 2017 – Present

Faculty Sponsor of ACM-W chapter at the University of Kentucky, 2016 – Present

Director of "Information Communication Technology for Eastern Kentucky," 2017 – Present

**Google**, October, 2017 – March, 2018

Visiting Academic Researcher

Gender and Technology Research Project.

Conducted fieldwork in Guadalajara, Mexico and Vitoria, Brazil

### **United Nations University, Macau**

Visiting Research Fellow in the Institute on Computing and Society, May – August 2016.

**Microsoft Research India**, July 2014 – October 2014

Ph.D. Research Intern at the Technology for Emerging Markets (TEM) group.

Conducted ethnography in Bangalore, India, in order to understand the experiences and motivations of Indian students when taking massive open online courses (MOOCs).

**Indiana University**, August 2010 – July 2015

Instructor of Record – Spring 2015 and Summer 2015.

Teaching Assistant – from Fall 2010 to Fall 2014.

**Fraunhofer Institute for Experimental Software Engineering (IESE)**, March 2007 – January 2010  
Research Assistant at the Process and Measurement Department. Projects included QualOSS (European Consortium for Quality in Open Source Software) and SPES2020 (Software Platform Embedded Systems 2020).

**University of Kaiserslautern**, August 2007 – March 2010  
Student Assistant at the International Department (ISGS): responsible for coordinating the orientation program for incoming international students, the social tutoring and organization of cultural events, and providing support for grant applications.

**DVF Consulting**, July 2006 – February 2007  
Junior Consultant charged with assisting development of Competitive Strategy Reports and SWOT Analysis for DVF's clients. Member of the PDF (Local Supplier Development Program).

**Infosis Consulting and Systems**, February 2005 – February 2006  
Junior Programmer involved in developing BrazShipping's port management software using Oracle Java, and Delphi 2005.

## **Publications**

### **Books**

**Nemer, D.** (tbd) *Technology of the Oppressed: Inequity, uncertainty, and the digital mundane in Favelas of Brazil*. (in negotiation with MIT Press).

**Nemer, D.** (2013). *Favela Digital – The other side of technology*. Vitoria, Brazil: Editora GSA. ISBN: 978-85-8173-059-2

Reviewed in *The Information Society, London School of Economics (LSE) Review of Books*, and *The Journal of Community Informatics*.

### **Edited Journal Issues**

Rhinesmith, C., **Nemer, D.**, & Urbano, C. (eds.) (2017). Special Issue: CIRN Conference, 2016. *The Journal of Community Informatics*, 13(2).

### **Peer-reviewed Chapters in Edited Books**

**Nemer, D.**, & Chirumamilla, P. (In Press). Living in the Broken City: Infrastructural Inequity, Uncertainty, and the Materiality of the Digital in the Favelas of Brazil. In D. Ribes & J. Vertesi (Eds.), *digitalSTS: A Handbook and Fieldguide*. Princeton University Press.

Spence, P., Edwards, A., Edwards, C., **Nemer, D.**, & Lachlan, K. (In Press). Rage against the machine: Negative reactions and antisocial interactions with robots. In E. Downs (Ed.), *Dark side of media and technology: A 21st century guide to technological literacy*. New York, NY: Peter Lang.

**Nemer, D.** (2018). Inclusão até que ponto? As promessas das mídias sociais para os moradores da favela. In *Jóvenes, transformación digital y inclusión en América Latina*. Penguin Random House.

**Nemer, D.**, & Hakken, D. (2016). Digital Inequalities in Brazil: A Weberian Analysis of Technology Use in the Favelas. In *Communication and Information Technologies Annual: Digital Empowerment: Opportunities and Challenges of Inclusion in Latin America and the Caribbean* (pp. 277-297). Emerald Group Publishing Limited. <http://dx.doi.org/10.1108/S2050-206020160000012017>

### **Refereed Journal Articles**

**Nemer, D.**, & Gray, K., (R&R). Reproducing Hierarchies or Resisting Domination: Exploring the Gendering of Tech Spaces in the Favelas. *Gender, Technology and Development*.

Stratton, C., **Nemer, D.** (R&R). ICTD and Latin America: literature, lessons, and opportunities. *Information Technology for Development*.

**Nemer, D.**, & O'Neill, J. (2019). Rethinking MOOCs: The Promises for Better Education in India. *International Journal of Information Communication Technologies and Human Development (IJICTHD)*, 11(1), 36-50. <https://dx.doi.org/10.4018/IJICTHD.2019010103>

**Nemer, D.** (2019). Repensando as Desigualdades Digitais: as promessas da Web 2.0 para os Marginalizados. *Revista Tecnologia e Sociedade*, 15(35). <http://dx.doi.org/10.3895/rts.v15n35.7978>

**Nemer, D.** (2018). Wired mobile phones: the case of community technology centers in favelas of Brazil. *Information Technology for Development*. 24(3). 461-481. <https://dx.doi.org/10.1080/02681102.2018.1478383>

**Nemer, D.** (2018). Going beyond the “T” in “CTC”: Social Practice as Care in Community Technology Centers. *Information*, 9(6). 135. <https://dx.doi.org/10.3390/info9060135>

**Nemer, D.** & Tsikerdekis, M. (2017). Political Engagement and ICTs: Internet Use in Marginalized Communities. *Journal of the Association for Information Science and Technology (JASIST)*, 68(6). 1539-1550. <http://dx.doi.org/10.1002/asi.23779>

Bentley, C. M., **Nemer, D.**, & Vannini, S. (2017). “When words become unclear”: unmasking ICT through visual methodologies in participatory ICT4D. *AI & SOCIETY*. (online first) <http://dx.doi.org/10.1007/s00146-017-0762-z>

Vannini, S., **Nemer, D.**, Halabi, A., Sabiescu, A. G., & Salomão, D. (2017). Critical Incident Analysis: mismatching expectations and reconciling visions in intercultural encounters. *The Journal of Community Informatics*, 13(2). <http://ci-journal.net/index.php/ciej/article/view/1380>

**Nemer, D.** (2016). Rethinking Social Change: The Promises of Web 2.0 for the Marginalized. *First Monday*, 21(6). <http://dx.doi.org/10.5210/fm.v21i6.6786>

**Nemer, D.** (2016). Online Favela: The Use of Social Media by the Marginalized in Brazil. *Information Technology for Development*, 23(3). 364-379. <http://dx.doi.org/10.1080/02681102.2015.1011598>

**Awarded the 2016 Social Informatics Best Paper runner-up by the Association for Information Science and Technology (ASIS&T)**

**Nemer, D.** (2016). Celebrities Acting Up: A Speech Analysis in Tweets of Famous People. *Social Networking*, 5(1). 1-10. <http://dx.doi.org/10.4236/sn.2016.51001>

**Nemer, D.** & Freeman, G. (2015). Empowering the Marginalized: Rethinking Selfies in the Slums of Brazil. *International Journal of Communication*. 9(2015). 1832–1847.  
<http://ijoc.org/index.php/ijoc/article/view/3155/1403>

**Nemer, D.** (2015). From Digital Divide to Digital Inclusion and Beyond. *The Journal of Community Informatics*, 11(1). <http://ci-journal.net/index.php/ciej/article/view/1030/1131>

**Nemer, D.** & Freeman, G. (2015). Self-Presentation on Facebook and Orkut: A Cross Cultural Study of Brazilians and Indians. *Journal of Technologies and Human Usability*, 10(2). 1-15.  
<http://dx.doi.org/10.18848/2381-9227/CGP/v10i02/59504>

Parra, C., **Nemer, D.**, Hakken, D., D'Andrea, V. (2015). Deep Trust in the future of Community Informatics. *The Journal of Community Informatics*. 11(2).  
<http://ci-journal.net/index.php/ciej/article/view/1203>

Halabi, A., Sabiescu, A. G., Salomão, D., Vannini, S. & **Nemer, D.** (2015). From Learning to Designing Action: Aligning Intentionality in Community-Based Research and Design. *The Journal of Community Informatics*. 11(3). <http://www.ci-journal.net/index.php/ciej/article/view/1160>

**Nemer, D.** (2013). IMPEX: an Approach to Analyze Source Code Changes on Software Run Behavior. *Journal of Software Engineering and Applications*, 6(4). 157-167.  
<http://dx.doi.org/10.4236/jsea.2013.64020>

### **Work in Progress**

**Nemer, D.**, Spangler, I., & Dye, M. (In Preparation). Airbnb and the Costs of Emotional Labor in Havana, Cuba.

Hakken, D., **Nemer, D.**, & Mate, P. (In Preparation). The Culture Problem in Participatory Design: A Social Informatics / National Culture Approach.

### **Refereed Full Conference Papers**

Sambasivan, N., Checkley, G., Batool, A., Ahmed, N., **Nemer, D.**, Gaytán-Lugo, L., Matthews, T., Consolvo, S., & Churchill, E. (Accepted). "They don't leave us alone anywhere we go": Digital Abuse Challenges and Coping Practices among South Asian Women. To be in *2019 CHI Conference on Human Factors in Computing Systems*

Sambasivan, N., Checkley, G., Batool, A., Ahmed, N., **Nemer, D.**, Gaytán-Lugo, L., Matthews, T., Consolvo, S., & Churchill, E. (2018). "Privacy is not for me, it's for those rich women": Notions and Practices of Privacy on Shared Phones among South Asian Women. In *Symposium on Usable Privacy and Security (SOUPS) 2018*.

**Awarded IAPP Distinguished Paper at SOUPS 2018**

Dye, M., **Nemer, D.**, Bruckman, A. S., & Kumar, N. (2018). El Paquete Semanal: The Week's Internet in Havana. In the *Proceedings of 2018 CHI Conference on Human Factors in Computing Systems* (p. 639). ACM <https://doi.org/10.1145/3173574.3174213>

Dye, M., **Nemer, D.**, Pina, L. R., Sambasivan, N., Bruckman, A. S., & Kumar, N. (2017). Locating the Internet in the Parks of Havana. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems* (pp. 3867-3878). ACM. <https://doi.org/10.1145/3025453.3025728>

**Awarded The Best of CHI: Honorable Mention (Top 5%)**

Vannini, S., **Nemer, D.**, & Rega, I. (2017). Integrating mobile technologies to achieve community development goals: the case of telecenters in Brazil: Full paper. In *Proceedings of the 8th International Conference on Communities and Technologies* (pp. 115-124). ACM. <https://doi.org/10.1145/3083671.3083684>

**Nemer, D.** (2015). Wired Smartphones: Rethinking the role of community technology centers in the mobile Internet era. In *Proceedings of SIG Globdev 8th Annual Conference*, Fort Worth, TX. <http://aisel.aisnet.org/globdev2015/4>

Halabi, A., Sabiescu, A. G., Salomão, D., Vannini, S. & **Nemer, D.** (2014). From Knowledge to Design Action: Uncovering the Obscure Process of Participatory Community-Based Research. In *Proceedings of CIRN 2014 Community Informatics Conference*. Prato, Italy. [https://www.monash.edu/\\_\\_data/assets/pdf\\_file/0003/920523/halabi.pdf](https://www.monash.edu/__data/assets/pdf_file/0003/920523/halabi.pdf)

**Nemer, D.**, Reed, P. (2013). Can a Community Technology Center be For-Profit? A Case Study of LAN Houses in Brazil. In *Proceedings of CIRN 2013 Community Informatics Conference*. Prato, Italy. [https://www.monash.edu/\\_\\_data/assets/pdf\\_file/0006/920922/nemerreedprato2013.pdf](https://www.monash.edu/__data/assets/pdf_file/0006/920922/nemerreedprato2013.pdf)

#### **Refereed Short Conference Papers**

**Nemer, D.**, Spangler, I., & Dye, M. (2018, October). Airbnb and the Costs of Emotional Labor in Havana, Cuba. In *Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing* (pp. 245-248). ACM.

Newell, B. C., Vannini, S., Gomez, R., & **Nemer, D.** (2018). Exacerbating the Vulnerabilities of Undocumented Migrants: The Risks Involved in the Humanitarian Information Activities of Migrant-Aid Organizations. *iConference 2018 Proceedings*.

**Nemer, D.**, & Stratton, C. (2017). Where's ICT for Latin America? Addressing the Research Gap in ICT4D Literature. *HCI Across Borders – HCIXB at 2017 CHI Conference on Human Factors in Computing Systems* (CHI '17). Denver, CO. **Honorable Mention Award**

**Nemer, D.** (2016). "LAN Houses are for Boys and Telecenters are for Girls:" CTCs as Gendered Spaces. In *Proceedings of the Eighth International Conference on Information and Communications Technologies and Development (ICTD)*. ACM. Ann Arbor, MI. <https://doi.org/10.1145/2909609.2909638>

**Nemer, D.** (2016). Crossing Gender Boundaries: The Case of Technology Centers in Favelas. *HCI Across Borders - Development Consortium. HCIXB at 2016 CHI Conference on Human Factors in Computing Systems* (CHI '16). San Jose, CA.

**Nemer, D.**, & Freeman, G. (2015). Rethinking Selfies: Empowering the Marginalized Through Self-Portraits. *Internet Research 16.0*. Phoenix, AZ. <https://spir.aoir.org/index.php/spir/article/view/1135>

**Nemer, D.**, Gross, S., & True, N. (2013). Materializing Digital Inequalities: The Digital Artifacts of the Marginalized in Brazil. In *Proceedings of the Sixth International Conference on Information and Communications Technologies and Development (ICTD)*. ACM. Cape Town, South Africa.  
<https://doi.org/10.1145/2517899.2517915>

**Nemer, D.** (2013). Beyond Internet Access: A Study of Social and Cultural Practices in LAN Houses. *Internet Research 14.0*. Denver, CO. <https://spir.aoir.org/index.php/spir/article/view/808>

**Nemer, D.**, Das, A. (2012). Impression Management on Facebook and Orkut: A Cross Cultural Study of Brazilians and Indians. *Internet Research 13.0*. Salford, England.

Ems, L., **Nemer, D.**, Medina, E. (2012). Twitter as an Interactive Ephemeral Communicative Space. *Internet Research 13.0*. Salford, England.

### **Non-Refereed Publications**

Rhinesmith, C., **Nemer, D.**, & Urbano, C. (2017). Introduction: Special Issue CIRN Prato Conference 2016. *The Journal of Community Informatics, 13*(2).

### **Refereed Conference Presentations**

**Nemer, D.** (Accepted). Uncovering Hidden Spaces of Populism in Brazil: The Case of Bolsonaro Supporters in WhatsApp Groups. *American Association of Geographers 114th Annual Meeting, Washington, DC*.

**Nemer, D.** (2017). "LAN houses are for boys and Telecenters are for girls:" CTCs as Gendered Spaces. *Annual meeting of the Society for Social Studies of Science (4S)*. Boston, MA.

Vannini, S., **Nemer, D.**, Halabi, A., Sabiescu, A. G., & Salomão, D. (2016). Critical Incident Analysis: mismatching expectations and reconciling visions in intercultural encounters. In *CIRN 2016 Community Informatics Conference*. Prato, Italy.  
[https://www.monash.edu/\\_data/assets/pdf\\_file/0017/860120/prato\\_2016proc.pdf](https://www.monash.edu/_data/assets/pdf_file/0017/860120/prato_2016proc.pdf)

**Nemer, D.** (2015). Resisting the "alphabet soup": how the QWERTY keyboard contributes to the digital divide in the slums of Brazil. *Annual meeting of the Society for Social Studies of Science (4S)*. Denver, CO.

**Nemer D.** (2015). Online Favela: the experience of the favela residents in community technology centers (CTCs). *4<sup>th</sup> CLACS Graduate Student Conference 2015*. Bloomington, IN.

**Nemer, D.** (2014). Designing Inequalities: The Digital Artifacts of the Favelas in Brazil. *The 113<sup>th</sup> American Anthropological Association Annual Meeting*. Washington, DC.

Chirumamilla, P., & **Nemer, D.** (2014) Living in the Broken City: Favelas, Infrastructural Inequity and the Materiality of the Digital. *Annual Meeting of the Society for the Social Studies of Science (4S)*. Buenos Aires, Argentina.

**Nemer, D.** (2014). LAN house Class(ification): Why are Technology Centers only Good for the Brazilian Poor? - Digital Divide Research Preconference at *ICA 2014*. Seattle, WA.



Miller, P., & Nemer, D. (2013). Bridging the Digital Divide and Promoting Digital Inclusion: An Update Public Access Venues and Projects. *NECoPA 2013: "Public Administration in an Information Society: Opportunities, Threats, and Intriguing Possibilities."* Co-organizer and participant of the panel. Boston, MA.

Nemer, D. (2012). Differences Between Facebook and Orkut: a Content Analysis of Indian and Brazilian Users' Profiles. *8th International Congress of Qualitative Inquiry*. Urbana-Champaign, IL.

Nemer, D. (2011). Facebook vs. Orkut: The Battle Over Middle Aged Users in Brazil. *7th International Congress of Qualitative Inquiry*. Urbana-Champaign, IL.

### Book Reviews

Nemer, D. (2015). "Digital Dead End: Fighting for Social Justice in the Information Age" by Eubanks, V. (2011). *The Journal of Community Informatics*, 11(1).

Nemer, D. (2014). "Internet Inquiry: Conversations About Method" by Markham, A. & Baym, N (Eds.)(2008). *The Information Society Journal*, 30(3), 240-242.

Nemer, D. (2014). "Coding Places: Software Practice in a South American City" by Takhteyev, Y. (2012). *Technology and Culture*, 55(2), 517-518.

### Refereed White Papers

Guzman, L., & Nemer, D. (2008). Perspective-Based Reading: An Overview. *Fraunhofer IESE 2008 Internal Proceedings*. Kaiserslautern, Germany.

Nemer, D. (2007). Quality Assurance of Open Source Project: Literature Review and the Current State. *Fraunhofer IESE 2007 Internal Proceedings*. Kaiserslautern, Germany.

### Study Cases Published in Books

"The 2013 Protests in Brazil" in *Civic Media Project*. E. Gordon, & P. Mihailidis (Eds.) (2015). Cambridge, MA: MIT Press.

"Why Telecenters failed in Brazil" in *Open Development: Networked Innovations in International Development*. M. L. Smith, & K. M. Reilly (Eds.) (2013). Cambridge, MA: MIT Press.

### Popular Press Publications

Dye, M., Nemer, D., Bruckman, A. S., & Kumar, N. (2019). The human infrastructure of El Paquete, Cuba's offline internet. *Interactions*. <https://doi.org/10.1145/3289487>

Nemer, D. (2018). The three types of WhatsApp users getting Brazil's Jair Bolsonaro elected. *The Guardian*. <https://www.theguardian.com/world/2018/oct/25/brazil-president-jair-bolsonaro-whatsapp-fake-news>

Spyer, J., Nemer, D., & Moura, M. (2018). Less communication in the name of democracy? *El Pais* [https://brasil.elpais.com/brasil/2018/10/26/opinion/1540565822\\_010438.html](https://brasil.elpais.com/brasil/2018/10/26/opinion/1540565822_010438.html) , in Portuguese.

Nemer, D. (2015). Digital Favelas: What Cities of Tomorrow Can Learn from the Slums of Today. *EPIC: Ethnographic Praxis in Industry Conference*. <https://www.epicpeople.org/digital-favelas/>

**Nemer, D.** (2013). "Will Technology Save our People From Poverty?" *Free Tribune Column in A Tribuna* <http://dnemer.com/news/DavidNemerColumn.pdf> , in Portuguese.

Deuze, M., Lewis, N., Ems, L., Mueller, J., & **Nemer, D.** (2012). Weathering the Media, Mediating the Weather, *Under the Influence Magazine*, No. 10, Spring/Summer.

### **Invited Talks and Guest Lectures**

"Policies on the Margins: The Case of Technology in the Favelas" – Harvard University, digital HKS, Harvard Kennedy School. Invited by Vanessa Rhinesmith. 02/12/2018.

<https://medium.com/digitalhks/policies-on-the-margins-the-case-of-technology-in-the-favelas-in-brazil-ca497f075bd5>

"Rethinking Digital Inequalities: The Experience of Favela Residents in CTCs" – Massachusetts Institute of Technology (MIT), Comparative Media Studies/Writing. Invited by Prof. Kishonna Gray.

"Favelas e Empatia Social: Criando Cidades Inteligentes do Futuro (Favelas and Social Empathy: Creating Smart Cities of the Future)" – **TEDx** Vitoria, Brazil.

<https://www.youtube.com/watch?v=A4Dt2VYmNBU>

"Rethinking Digital Inequalities: The Mundane Uses of Technology in Favelas (Brazil)" – Georgia Institute of Technology (Georgia Tech), GUV Brown Bag Seminar. Invited by Profs. Amy Buckman and Neha Kumar. 02/22/2018.

"Seamfully Interwoven: Piecing Together Cuba's Internet" (led by Michaelanne Dye) – University of Kentucky, College of Communication and Information's Research Seminar Series. 03/21/2018.

"Projects in ICT for Development" – ICT300: ICT in Society, University of Kentucky, School of Information Science. Invited by Prof. Renee Kaufmann.

"Introduction to Community Informatics" – LIS 600: Information in Society, University of Kentucky, School of Information Science. Invited by Prof. Shannon Oltmann.

"Rethinking Digital Inequalities: The Experience of Favela Residents in CTCs" – New Maps Plus Geography Colloquium, University of Kentucky. Invited by Prof. Matthew Wilson, 11/18/2016.

"ICT for Development" – ICT150: Experience ICT, University of Kentucky, School of Information Science. Invited by Deloris Foxworth, 11/11/2016 and 04/10/2017.

"What is Ethnography" – ICT610: ICT Research Methods, University of Kentucky, College of Communication and Information. Invited by Prof. Brandi Frisby, 10/03/2016.

"Information Technology for Social Change" – IT7001: IT Graduate Seminar, University of Cincinnati, School of Information Technology. Invited by Prof. Guo Freeman, 09/28/2016.

"Rethinking Digital Inclusion: The Case of ICTs in Favelas" – Institute on Computing and Society, United Nations University. Invited by Prof. Michael Best, 05/27/2016.

"LAN houses are for boys and Telecenters are for girls:" Community Technology Centers as Gendered Spaces – School of Information Science Series of Talks, University of Kentucky 02/05/2016.

“ICTs for Social Change” – CJT601: Introduction to Graduate Studies, University of Kentucky, College of Communication and Information. Invited by Prof. Dan O’Hair, 10/03/2016.

“ICTs in Favelas” – ORG358: Communication and Social Responsibility, Butler University, College of Communication. Invited by Prof. Lindsay Ems, 10/12/2015.

“Information Technology for Social Change” – IT7001: IT Graduate Seminar, University of Cincinnati, School of Information Technology. Invited by Prof. Guo Freeman, 09/21/2015.

“Fieldwork in the Favelas of Brazil” – Indiana University, Kelley School of Business. Business is Global Series. Invited by Emily A. Bagienski. 06/17/2014.

“Introduction to ICT4D” I202 – Introduction to Social Informatics. Indiana University. Invited by Prof. Selma Sabanavic (session 1: 03/31/2014) and Jennifer Terrell (session 2: 04/01/2014).

“Favela Digital – The Other Side of Technology” – Indiana University, Institute for Digital Arts and Humanities. Invited by Dr. Clara Henderson. 03/12/2014.

“Favela Digital – The Other Side of Technology” – University of Kaiserslautern (TU Kaiserslautern), Germany. International School for Graduate Studies. Invited by Arthur Harutyunyan. 12/03/2013.

“Favela Digital – The Other Side of Technology” – University of London - Royal Holloway, ICT4D Centre. Invited by Prof. Dorothea Kleine. 11/18/2013.

“Favela Digital – The Other Side of Technology” – Humboldt University of Berlin, School of Library and Information Science. Invited by Prof. Michael Seadle. 11/14/2013.

“Favela Digital – The Other Side of Technology” – Monash University, Prato, Italy. Invited by Larry Stillman. 10/28/2013.

“Digital Inclusion Practices in Vitória, Brazil”, IUB Media Arts & Sciences Speaker Series. Indiana University. Invited by Prof. Bryant Paul, 11/30/2012.

“Social Media and Crisis Communication”, T101 – Media Life. Indiana University. Invited by Lindsay Ems, 06/11/2011.

“Media Ideologies and Social Media Use”, I202 – Introduction to Social Informatics. Indiana University. Invited by Jennifer Terrell (session 1: 03/28/2012) and Heather Wiltse (session 2: 03/28/2012).

“Qualitative Research in Informatics”, I399 – Research Methods for Informatics, Indiana University. Invited by Prof. Geoffrey Fox, 04/04/2012.

## **Photo Exhibits**

“Favela Digital – The Other Side of Technology”

University of Kaiserslautern, Germany. December, 02 – 9, 2013.

University of London, Royal Holloway, England. November, 18 – 23, 2013.

Humboldt University of Berlin, Germany. November, 14 – 18, 2013.

Monash University, Prato, Italy. October, 28 – 30, 2013.

Pátio Praia. Vitória, Brazil. October, 02 – 15, 2013.

### **Panels, Colloquiums, and Workshops**

“Sensitive Research, Practice, and Design in HCI.” **Co-Organizer**, SIGCHI Conference on Human Factors in Computing Systems (CHI’2019). Glasgow, UK. 2019

“Uncovering Emotional Labor and Care Work in Gig Economy Systems.” **Co-Chair & Co-Organizer**, Society for Social Studies of Science (4S), New Orleans, LA. 2019.

“Computing in Latin America: Big Data, Modernization, and the Politics of Connection”, Discussant, Latin American Studies Association (LASA) 2019. Boston, MA.

“Sociotechnical Systems of Care”, **Co-Organizer**, 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW). Jersey City, NJ.

HCI Across Borders (HCIxB)

@ CHI 2016 – **Participant**

@ CHI 2017 – **Program Committee Member**

@ CHI 2018 – **Co-Organizer and Program Committee Member**

@ CHI 2019 – **Co-Organizer and Program Committee Member**

Kentucky Gender & Women’s Studies Conference (KYGWS)

2017 – Session Chair

2018 – Session Chair

“The Future of Work in Kentucky Workshop,” **Participant**, Organized by Sam Ford with MIT Open Documentary Lab, and the University of Southern California Annenberg School’s Civic Paths team. Bowling Green, KY. 2017.

“Can the Subaltern Research?”, **Co-Chair & Co-Organizer**, Society for Social Studies of Science (4S), Boston, MA. 2017.

“Community Informatics and Science and Technology Studies”, **Co-Chair & Co-Organizer**, Society for Social Studies of Science (4S), Boston, MA. 2017.

8th Annual AIS SIG GlobDev Pre-ICIS Workshop on ICTs in Global Development, **Participant**, Fort Worth, TX. 2015.

Bridging Social Informatics and Sociotechnical Research: In Honor of Rob Kling, Workshop **Co-Organizer**, iConference 2014. Berlin, Germany.

NECoPA 2013, Bridging the Digital Divide and Promoting Digital Inclusion: An Update Public Access Venues and Projects. **Co-Organizer and Participant**. Newark, DE.

CIRN Community Informatics 2013 Doctoral Colloquium, **Participant**, Prato, Italy.

iConference 2013 Doctoral Colloquium, **Participant**, Fort Worth, TX.

Internet Research 14.0: **Session Chair** – “Design Appropriations.” Denver, CO. 2013.

Internet Research 13.0: **Session Chair** – “Communication, Culture and Identity.” Manchester, UK. 2012.

Internet Research 13.0 PhD Colloquium, **Participant**, Manchester, UK. 2012.

### **Selected Interviews and Press Coverage**

“O brasileiro que virou referência em antropologia da informática nos EUA para ter impacto maior no Brasil.” *Globo* | *GI*. <https://g1.globo.com/educacao/guia-de-carreiras/noticia/2019/01/11/o-brasileiro-que-virou-referencia-em-antropologia-da-informatica-nos-eua-para-ter-impacto-maior-no-brasil.ghtml>

“Fake news on WhatsApp swayed Brazil’s election. India should be worried” *Quartz*.  
<https://qz.com/india/1445013/whatsapp-fake-news-helped-bolsonaro-win-brazil-is-india-next/>

“Análise: Justiça deixou a desejar, alertamos sobre fake news no WhatsApp” *UOL Notícias*.  
<https://tecnologia.uol.com.br/noticias/redacao/2018/11/03/para-pesquisador-judiciario-precisa-combater-fake-news-daqui-para-frente.htm>

“What to know about WhatsApp in Brazil ahead of Sunday’s election” *NiemanLab at Harvard*.  
<http://niemanlab.org/2018/10/what-to-know-about-whatsapp-in-brazil-ahead-of-sundays-election/>

“How WhatsApp Turned Brazil’s 2018 Elections Upside-Down: An Autopsy Report” *RioOnWatch*.  
<http://www.rioonwatch.org/?p=48419>

“Os 3 perfis de usuários do WhatsApp que ajudam a eleger Bolsonaro” *Exame Magazine*.  
<https://exame.abril.com.br/tecnologia/os-3-perfis-de-usuarios-do-whatsapp-que-ajudam-a-eleger-bolsonaro/>, in Portuguese.

“Os três tipos de usuários do WhatsApp que vão eleger Jair Bolsonaro” *Conversa Fiada*.  
<https://www.conversaafiada.com.br/politica/os-tres-tipos-de-usuarios-do-whatsapp-que-vaio-eleger-jair-bolsonaro>

“Selfie: it is not a novelty in the human desire for (self-)expression” *Thrive Global*.  
<https://www.thriveglobal.com/stories/22167-selfie-it-is-not-a-novelty-in-the-human-desire-for-self-expression>

“Most Cubans don’t have internet, but they have ‘el paquete’” *Il Manifesto*.  
<https://global.ilmanifesto.it/most-cubans-dont-have-internet-but-they-have-el-paquete/>

“Inside Cuba’s massive, weekly, human-curated sneakernet.” *Boing Boing*.  
<https://boingboing.net/2018/05/03/inside-cubas-massive-weekly.html/>

“Pesquisador analisa hábitos digitais nos morros de Vitória” *A Gazeta*.  
<https://www.gazetaonline.com.br/noticias/cidades/2018/01/pesquisador-analisa-habitos-digitais-nos-morros-de-vitoria-1014114783.html> - in Portuguese

“Professor capixaba fala sobre pesquisa que desenvolve nos EUA sobre tecnologia” *Globo*.  
<http://g1.globo.com/espirito-santo/bom-dia-es/videos/v/professor-capixaba-fala-sobre-pesquisa-que-desenvolve-nos-eua-sobre-tecnologia/6300450/> - in Portuguese

“2016 Olympics reading list: Brazilian politics, history and culture.” LSE Business Review.  
<http://blogs.lse.ac.uk/businessreview/2016/08/07/2016-olympics-reading-list-brazilian-politics-history-and-culture/>

“TEDx do ES tem inscrições abertas para 2ª edição do evento”. G1 Globo.  
<http://g1.globo.com/espírito-santo/educacao/noticia/2016/11/tedx-do-es-tem-inscricoes-abertas-para-2-edicao-do-evento.html> - in Portuguese

“Capixaba desenvolve projeto na ONU na China”. Bom dia Espírito Santo, A Gazeta.  
<http://g1.globo.com/espírito-santo/bom-dia-es/videos/t/edicoes/v/capixaba-desenvolve-projeto-na-onu-na-china/5226851/> - in Portuguese

“Capixaba vai conduzir estudos da ONU sobre acesso à informação”. Radio CBN  
[http://www.gazetaonline.com.br/\\_conteudo/2016/08/cbn\\_vitoria/reportagens/3963726-capixaba-vai-conduzir-estudos-da-onu-sobre-acesso-a-informacao.html](http://www.gazetaonline.com.br/_conteudo/2016/08/cbn_vitoria/reportagens/3963726-capixaba-vai-conduzir-estudos-da-onu-sobre-acesso-a-informacao.html) - in Portuguese

“David Nemer Researches Cubans’ Use of Technology during Winter Break”  
[https://issuu.com/ukic/docs/gk\\_spring\\_2016\\_final\\_online/12](https://issuu.com/ukic/docs/gk_spring_2016_final_online/12)

Fala Manhã (Morning Talk Show in Vitória, Brazil).  
<http://www.folhavoria.com.br/videos/2015/11/737416102-favela-digital.html> - in Portuguese

*Enfoque* Newsletter – Spring 2015. <http://www.indiana.edu/~clacs/about/docs/spring2015enfoque.pdf>

“Democracy Through Technology: Internet Access in Rio’s Favelas” – *Rio On Watch*  
<http://www.rioonwatch.org/?p=20426>

“Democracy Through Technology: The Risks of Inclusion” ” – *Rio On Watch*  
<http://www.rioonwatch.org/?p=21887>

“Student studies technology use in slums” – *IDS News*  
<http://www.idsnews.com/news/story.aspx?id=98063> in English

New Books in Technology featuring “Favela Digital: The other side of technology”  
<http://newbooksintechnology.com/2014/06/05/david-nemer-favela-digital-the-other-side-of-technology-gsa-editora-e-grafica-2013/> Audio in English

Front cover and main article of the magazine SIM: “Favela Digital”  
<https://issuu.com/revistaredesim/docs/ed70issuu> in Portuguese

“Researcher from Vitória launches book “Favela Digital – The other side of technology”” “Capixaba lança livro “Favela Digital - O outro lado da tecnologia””. *FAESA Digital*  
<http://www.faesadigital.com.br/artigo/categoria/noticia/capixaba+lanca+livro++favela+digital++o+outro+lado+da+tecnologia+> in Portuguese. October 4th, 2013.

Interview about the book launch of “Favela Digital – The other side of technology”. *Universitária FM* <http://www.universitariafm.ufes.br/noticias/lancamento-do-livro-favela-digital-o-outro-lado-da-tecnologia> Audio in Portuguese. October 2nd, 2013.

“Book show the technology use in the peripheries of Vitoria” “Livro mostra uso de tecnologias nas periferias de Vitória”. *Sou ES*

<http://www.soues.com.br/plus/modulos/noticias/ler.php?cdnoticia=529&categoria=1&nocache=1380746128> in Portuguese. October 2nd, 2013.

“Telecentres and low-income community inspired book by doctoral candidate from Vitória”  
“Telecentros e comunidade de baixa renda inspiram livro e doutorado de capixaba” *Prefeitura de Vitória*. <http://www.vitoria.es.gov.br/noticias/noticia-12440> in Portuguese. October 2nd, 2013

Interviewed by Andrea Pena, host of the Personalité TV Show (30 mins – in Portuguese):  
<http://www.folhavoria.com.br/entretenimento/blogs/personnalite/2013/09/30/2909-confira-entrevista-exclusiva-com-o-cientista-david-nemer/> Video in Portuguese.

Interviewed by Thais Venancio, host of the TV Show Fala ES (15 mins – in Portuguese):  
<http://www.folhavoria.com.br/videos/2013/10/fala-sustentavel-capixaba-lanca-livro-sobre-uso-de-tecnologia-em-favelas.html> Video in Portuguese.

“Researcher from Vitória wears Google Glass” “Cientista Capixaba usa óculos do Google” *A Gazeta*  
<http://dnemer.com/news/DavidNemerAGazeta2013.pdf> , in Portuguese. July 8th, 2013.

“Mothers prefer their sons in the Lan House” “Mães preferem filhos na Lan House” *A Tribuna*  
<http://dnemer.com/news/DavidNemerATribuna2013.pdf> , in Portuguese. January 7th, 2013

“Tinker Field Research Grantees” *Enfoque Newsletter*.  
<http://www.indiana.edu/~clacs/enfoque/CLACS-Newsletter-Fall2012.pdf> in English.

“Of Note: Tinker grant goes to IUB PhD student” *Indiana Informatics*.  
[http://www.soic.indiana.edu/support/magazine-archive/\\_doc/fall-2012.pdf](http://www.soic.indiana.edu/support/magazine-archive/_doc/fall-2012.pdf) in English.

“Scholarships to study for free in the USA” “Doutorado de graça nos EUA” *A Tribuna*  
<http://dnemer.com/news/DavidNemerATribuna2010.pdf> , in Portuguese. August 23rd, 2010

“Studying abroad: an experience of a lifetime” “Curso no exterior: uma experiência para toda a vida”  
*A Gazeta* <http://dnemer.com/news/DavidNemerAGazeta2006.pdf> , in Portuguese. October 29<sup>th</sup>, 2006.

## **Teaching Assignments**

### **University of Kentucky**

ICT 605 – Introduction to Human Computer Interaction (Spring 2017, Spring 2018)

ICT 325 – Multimedia and Technology (Fall 2018, Spring 2019)

ICT 302 – Content Management Systems (Fall 2017)

ICT 300 – ICT in Society (Fall 2016, Fall 2017, Spring 2018, Fall 2018, Spring 2019)

ICT 205 – Issues in Information and Communication Technology Policy (Spring 2016, Fall 2016)

ICT 200 – Information Literacy & Critical Thinking (Fall 2015, Spring 2016)

### **Courses in preparation:**

History of Women in Technology

## **Indiana University**

INFO I202 – Social Informatics (Summer 2015)

INFO I400 – Community Informatics (Spring 2015)  
Co-taught with Prof. David Hakken

## **Teaching Assistant Assignments**

INFO 202 – Introduction to Social Informatics, Indiana University (Spring 2012, Fall 2014)  
Instructor: Prof. Eden Medina

INFO 303 – Organizational Informatics, Indiana University (Spring 2014)  
Instructor: Prof. Pnina Fichman

INFO 502 – Human Centered Research Methods, Indiana University (Spring 2013)  
Instructor: Prof. John Paolillo

INFO 453 – Information and Computer Ethics, Indiana University. (Fall 2012)  
Instructor: Prof. Nathan Ensmenger

INFO 303 – Organizational Informatics, Indiana University (Fall 2010, Fall 2011)  
Instructor: Prof. David Hakken

INFO 453 – Information and Computer Ethics, Indiana University (Spring 2011)  
Instructor: Prof. David Hakken

Advanced Software Engineering, Saarland University. (Spring 2009)  
Instructor: Prof. Andreas Zeller

Calculus I, FAESA (Spring 2005)  
Instructor: Prof. Maria Alice Souza

Pre-Calculus, FAESA (Fall 2004)  
Instructor: Prof. Maria Alice Souza

Statistics II, FAESA (Spring 2004)  
Instructor: Prof. Maria Alice Souza

Statistics I, FAESA (Fall 2003)  
Instructor: Prof. Maria Alice Souza

## **Student Mentorship**

### **PhD Research Committees**

Michaelanne Dye, Human-Centered Computing, Georgia Institute of Technology

Robert Shapiro, College of Communication and Information, University of Kentucky

Christine Woodward, Geography, University of Kentucky



Anna-Carrie Beck, College of Communication and Information, University of Kentucky

Ignasi Medà Calvet, Center for the History of Science (CEHIC), Autonomous University of Barcelona (Graduated, External Thesis Reviewer)

### **Masters Research Committees**

Marissa De Fratti, Geography, University of Kentucky

Jesse Stallworth, ICT, University of Kentucky (Advisor)

Ian Spangler, Geography, University of Kentucky (Graduated)

Nathan Stevens, ICT, University of Kentucky (Graduated, Advisor)

William Sexton, ICT, University of Kentucky (Graduated, Advisor)

Matthew Taylor, ICT, University of Kentucky (Graduated, Advisor)

### **Undergraduate Capstone Advising**

Kevin Auble, Alex Choi, Alyssa Maurer and Adam Richardson: “The Ethics and User Perspective on Recommender Systems,” Informatics, Indiana University, Fall 2012.

Tyler Roach, Brett Guiden and George Tattersall: “SocialQuake – The Role of Social Sensors for Earthquake Awareness,” Informatics, Indiana University, Spring 2012 (Awarded first place at SoIC Undergraduate Research Contest).

Brittney Jones, Trent Senne, Alex Stucker and Derik Daubenspeck: “The Impact of Technology in Nowadays Business,” Informatics, Indiana University, Spring 2011.

### **Professional Memberships and Associations**

ACM SIGCHI	2016 – present
ACM SIGCAS	2017 – present
Society for Social Studies of Science (4S)	2012 – present
American Anthropological Association (AAA)	2014 – present
American Association of Geographers (AAG)	2018 – present
Latin American Studies Association (LASA)	2018 – present
Associação Brasileira de Estudos Sociais das Ciências e Tecnologias, ESOCITE.BR	2017 – present
Association of Internet Researchers (AoIR)	2012 – present
Community Informatics Research Network (CIRN)	2012 – present
Center for Computer-Mediated Communication Fellow, Indiana University	2014 – present

## Service and Professional Experience

### Professional-Level Service

Journal of Community Informatics	
Review Editor	2014 – Present
Associate Editor	2017 – Present
Tapuya: Latin American Science, Technology and Society	
Review Editor	2017 – Present
Prato Community Informatics Research Network (CIRN) Conference	
Conference Committee Member	2016 – Present
Special Interest Group on ICT and Global Development (AIS SIG GlobDev).	
Officer and Conference Committee Member	2016 – Present
International Conference on Information and Communication Technologies and Development (ICTD)	
Program Committee Member	2016, 2017
Note and Poster Chair	2019
Conference on Computing and Sustainable Societies (COMPASS)	
Program Committee Member	2018
Note and Poster Chair	2019

**Other Program and Conference Committees:** Mexican Conference on Human-Computer Interaction (MexIHC) 2018; Late-Breaking Work at CHI 2017; EPIC 2017; Latin American Conferences on Human Computer Interaction (CLIHC 2017) (Workshop Chair); ASIS&T SIG-Social Informatics 2013.

**Article reviewer for:** Information; Telecommunications Policy; The Information Society; Political and Legal Anthropology Review; City analysis of urban trends, culture, theory, policy, action; Information Technology for Development; AI & SOCIETY Journal of Knowledge, Culture and Communication; Journal of Community Informatics; International Journal of Communication and Ubiquitous Learning: An International Journal; International Journal of Communication.

**Reviewer for:** iConference 2019; SIGCHI Conference on Human Factors in Computing Systems (CHI'2019); SIG GlobDev 2018 Pre-ICIS; ASIS&T 2018; ECIS 2018, SIGCHI Conference on Human Factors in Computing Systems (CHI'2018); AIS SIG GlobDev 2017 Pre-ICIS Workshop; ICTD 2017; EPIC 2017; HCIxB 2017; ASIS&T 2017; AMCIS 2017; AoIR 2017; HCIxB 2017; INTERACT 2017; iConference 2017; SIG Globdev Track at AMCIS; SIG GlobDev Pre-ECIS 2016; CIRN Community Informatics 2016; Hawaii International Conference on System Sciences (HICSS-50); 22nd Americas Conference on Information Systems; AoIR 2016; AIS SIG GlobDev 2016 Pre-ECIS Workshop; Internet Research 16.0; SIGCHI Conference on Human Factors in Computing Systems (CHI'2015); India HCI 2014; Internet Research 15.0; 13<sup>th</sup> Participatory Design Conference; ICTD 2013; CIRN Community Informatics 2013 and 2014; and Internet Research 14.0.

Doctoral Colloquium Reviewer and Mentor for ASIS&T 2016.

HASTAC Scholar: 2012 – 2013

Graduate Informatics Student Association (GISA), Indiana University, Social Chair: 2011 – 2012

Contributed and translated to Portuguese the “Community Informatics Declaration: An Internet for the Common Good - Engagement, Empowerment, and Justice for All” which was presented at the 2014 Internet Governance Meeting in Brazil. Nominating Committee Member for the Community Informatics (CI) community.

Beyond Imported Magic: Science and Technology Studies in Latin America Workshop: Translator and note taker, Bloomington, IN. August 2012.

4S Conference: Student Volunteer. Cleveland, OH. November 2011.

### **College-Level Service - College of Communication and Information**

Graduate Admissions Committee Member – 2015 – 2017

### **School-Level Service - School of Information Science**

Diversity Committee Member: 2015 – 2018

Curriculum Committee Member: 2016 – 2018

Promotion and Tenure Guidelines Ad Hoc Committee: 2017 – 2018

### **Unit-Level Service - Information Communication Technology**

Curriculum Committee Member – 2016 – Present

### **Volunteer Activities**

Instructor for the FAESA Program of Digital Inclusion. July and August 2004. Taught basic informatics classes to children from poor areas in Monte Belo and its surroundings. Courses included Introduction to Computers, Windows, Word, Excel and Basic Internet.

Instructor and Coordinator of the Petrobras Program of Digital Inclusion. September – December 2005. Taught the low-income community of Regencia, Linhares basic informatics skills, including Windows XP, Microsoft Office and Internet.

### **Language Skills**

Portuguese: Fluent (native language)

English: Fluent (writing, speaking and listening)

Spanish: Advanced (writing, speaking and listening)

French: Intermediate (writing, speaking and listening)

German: Intermediate (DSI Certificate)