

# MONICA TENTORI

Full professor in Computer Science  
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## BIO

La Dra. Mónica Tentori recibió su maestría y doctorado en ciencias de la computación en CICESE, y realizó su entrenamiento post-doctoral en el Departamento de Informática de UC Irvine, California, USA. Sus intereses de investigación se intersectan en el área de interacción humano computadora y cómputo ubicuo, y se ha enfocado primordialmente en apoyar retos asociados a la salud. Es la única mujer latinoamericana y el único mexicano en recibir el premio internacional "Microsoft Research Faculty Fellowship" por su trabajo de investigación. Es la primer mujer de Ensenada que recibe el reconocimiento de ciudadana distinguida del municipio de Ensenada por su trabajo en innovación tecnológica. Es miembro del Sistema Nacional de Investigadores (SNI) como nivel II. A nivel nacional, es miembro de la comisión dictaminadora del SNI nivel II, fué tesorera de la Asociación Mexicana de Interacción Humano Computadora y vocal la Sociedad Mexicana en Ciencias del Computación (SMCC). A nivel internacional, es miembro del comité estelar del área de cómputo ubicuo para el capítulo de ACM SIGCHI y ACM SIGMOBILE, y miembro del subcomité asesor de UC Mexus. En CICESE, fué presidente de la Comisión de Análisis de Productividad Académica (CAPA) y fué coordinadora del área de estudios con humanos del comité de Bioética, actualmente es miembro.

## EDUCATION

|                  |  |
|------------------|--|
| October 1, 2008  | Ph.D. in Computer Science, Computer Science Department, CICESE, Mexico (PNPC Consolidated) |
| August 1, 2005   | M.Sc. in Computer Science, Computer Science Department, CICESE, Mexico (PNPC Consolidated) |
| February 1, 2002 | B.Sc. in Computer Science, School of Computer Science, UABC, Mexico (PNPC Consolidated)    |

## PROFESSIONAL EXPERIENCE AND INSTITUTIONAL ACTIVITIES

|                  |   |
|------------------|---|
| March 1, 2015    | Tenured Full professor, Computer Science Department@CICESE, Mexico (Research institution)                                 |
| March 1, 2012    | Tenured Associate professor, Computer Science Department@CICESE, Mexico (Research institution)                            |
| January 1, 2011  | Tenured Associate professor, School of Computer Science@UABC, Mexico (Accredited university)                              |
| December 1, 2010 | Postdoctoral scholar, Donald Bren Hall School of Information and Computer Sciences@UC Irvine, USA (Accredited university) |
| February 1, 2008 | Tenure track Assistant professor, School of Computer Science@UABC, Mexico (Accredited university)                         |

## HONORS AND AWARDS

|                      |  |
|----------------------|--|
| January 1, 2021-YTD  | Member of the Ubicomp Steering Committee   ACM, USA (International Honor)                                |
| January 1, 2021-YTD  | Member of the UCMexus Advisor Subcomite   U. of California, USA (International Honor)                    |
| January 1, 2021-2025 | Miembro de la comisión dictaminadora SNI Nivel II   CONACYT, Mexico (National Honor)                     |
| January 1, 2020-2025 | SNI Level II   CONACYT, Mexico (National Award)  |
| 2019                 | Distinguished Citizen of the City of Ensenada on Technology innovation   City Hall Council (Local Award) |
| January 1, 2015-2019 | SNI Level I   CONACYT, Mexico (National Award)   |
| January 1, 2013      | Microsoft Research Faculty Fellow   Microsoft Research, USA (International Award)                        |
| January 1, 2012-2020 | Vocal of the Mexican Association in HCI   AMexIHC, Mexico (National Honor)                               |

January 1, 2012-2018 Vocal of the Mexican Association in Computer Science | SMCC, Mexico (National Honor)  
January 1, 2012-2013 Miembro de la comisión dictaminadora posgrados PNPC | CONACYT, Mexico (National Honor)  
January 1, 2011-2015 SNI Level I | CONACYT, Mexico (National Award)  
January 1, 2009-2011 SNI Level I | CONACYT, Mexico (National Award)

RESEARCH VISITS

June 1, 2016 Visiting scholar | University College of London, Europe  
9/1/2013 Visiting scholar | University College of London, Europe  
1/1/2008 Visiting graduate student | University of Manchester, Europe

EDITORIAL WORK

[EW9] 2018-2021 Associate editor  
[EW8] 1/1/2018-2021 Associate editor  
[EW7] -2020 Proceedings  
[EW6] -2020 Proceedings  
[EW5] -2015 Proceedings  
[EW4] -2014 Proceedings  
[EW3] -2012 Proceedings  
[EW2] -2012 Proceedings  
[EW1] -2009 Proceedings

Frontiers in Psychology (JCR Q2)  
PACM International Journal on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)  
Monica Tentori, Nadir Weibel, Kristof Van Laerhoven, Gregory D. Abowd, Flora D. Salim: UbiComp/ISWC '20: 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and 2020 ACM International Symposium on Wearable Computers, Virtual Event, Mexico, September 12-17, 2020. ACM 2020, ISBN 978-1-4503-8076-8  
Kristof Van Laerhoven, Monica Tentori, Nadir Weibel, Jennifer Healey, Thomas Ploetz: ISWC '20: 2020 ACM International Symposium on Wearable Computers, Virtual Event, Mexico, September 12-17, 2020. ACM 2020, ISBN 978-1-4503-8077-5  
Arriaga, R. I., Rodriguez, L. F., Tentori, M., Castro, L. A., Santa-Mancilla, P. C. (Eds). Avances en Interacción-Humano-Computadora. Research in Computer Science, Vol. 89 ISSN: 1870-4069  
Rodriguez, L., Arriaga, R. I., Moreno, M., Castro, L., Tentori, M. (Eds) Proceedings of the 5th Mexican Conference on Human-Computer Interaction, ACM ISB: 978-1-4503-3285-9  
Castro, L. and Tentori, M. (Eds.), Proc. of the IV Workshop of Mexican Human Computer Interaction (MexIHC 2012), Mexico, DF  
Tentori, M., Bardram, J. E., Mihailidis, A. (2012) (Eds.), Proc. of 6th International Conference on Pervasive Computing Technologies for Healthcare San Diego California, May 21-24  
Alberto L. Morán, Edgar Chávez, Elizabeth S. Furtado, Tentori, M., Marcela D. Rodríguez (Eds.), Memorias Extendidas de la 4ta. Conferencia Latino-Americana de Interacción Humano-Computadora (CLIH 2009), Mérida, Yucatán, México, 9-11 November 2009, Editorial Universitaria UABC 2009. ISBN: 978-607-7753-32-2.

\* lead author

JOURNAL AND SCIENTIFIC MAGAZINES (Peer-reviewed)

[J41] 2021 JCR Q2; IF: 3.006  
Raymundo Cornejo, Fernando Martínez, Vania C. Álvarez, Claudia Barraza, Franceli L. Cibrian, Ana I. Martínez-García & Mónica Tentori. Serious games for basic learning mechanisms: reinforcing Mexican children's gross motor skills and attention. *Pers Ubiquit Comput* 25, 375-390 (2021). <https://doi.org/10.1007/s00779-021-01529-0>  
Morales, A., Cibrian, F. L., Castro, L. A., Tentori, M. (2021) An adaptive model to support biofeedback in Aml environments: a case study in breathing training for autism. *Personal and Ubiquitous Computing*. <https://doi.org/10.1007/s00779-020-01512-1>  
Franceli L. Cibrian, Judith Ley-Flores, Joseph W. Newbold, Aneesha Singh, Nadia Bianchi-Berthouze & Monica Tentori Interactive sonification to assist children with autism during motor therapeutic interventions. *Pers Ubiquit Comput* 25, 391-410 (2021). <https://doi.org/10.1007/s00779-020-01479-z>  
Morales Téllez, A. M., Tentori, M., & Castro, L. A. (2021). Biofeedback for Autonomic Nervous System (ANS) regulation. *Avances en Interacción Humano-Computadora*, (1), 126-129 <http://dx.doi.org/10.47756/aih.c.y6i1.106>  
\* [J37] 2021 JCR Q3; IF: 1.769  
Mercado, J., Escobedo, L. & Tentori, M. A BCI video game using neurofeedback improves the attention of children with autism. *J Multimodal User Interfaces* 15, 273-281 (2021). <https://doi.org/10.1007/s12193-020-00339-7>  
[J36] 2020 JCR Q2; IF: 2.679  
Ramos AG, Garcia-Macias JA, Tentori M. Crowdsensing for Characterizing Mobility and Its Impact on the Subjective Wellbeing in an Underdeveloped Region. *Applied Sciences*. 2020; 10(19):6686. <https://doi.org/10.3390/app10196686>

- \* [J35] 2020  
JCR Q1; IF: 4.654  
Tentori Monica, Ziviani Artur, Muchaluat Saade C Debora, & Favela Vara Jesús (2020). Digital Healthcare in Latin America: The Case of Brazil and Mexico. *Communications of the ACM*, 72-77. doi: 10.1145/3423923.
- \* [J34] 2020  
JCR Q1; IF: 3.23  
Cibrian, F. L., Madrigal, M., Avelais, M., & Tentori, M. (2020). Supporting coordination of children with ASD using neurological music therapy: A pilot randomized control trial comparing an elastic touch-display with tambourines. *Research in developmental disabilities*, 106, 103741. <https://doi.org/10.1016/j.ridd.2020.103741>
- \* [J33] 2020  
JCR Q3; IF: 1.769  
Peña, O., Cibrian, F.L. & Tentori, M. Circus in Motion: a multimodal exergame supporting vestibular therapy for children with autism. *J Multimodal User Interfaces* 15, 1-17 (2021). <https://doi.org/10.1007/s12193-020-00345-9>
- \* [J32] 2020  
Cibrian Robles Franceli Linney, Ortega Román Deysi Helen, Ley Flores Judith Guadalupe, Rodríguez Aguilar Hugo Fernando, & Tentori Monica (2020). Interactions of children and young adults using large-scale elastic displays. *Avances en Interacción Humano-Computadora*. doi: 10.47756/aihcy5i1.67.
- \* [J31] 2019  
JCR Q2; IF: 2.75  
Jose Mercado, Ismael Espinosa-Curiel, Lizbeth Escobedo & Monica Tentori Developing and evaluating a BCI video game for neurofeedback training: the case of autism. *Multimed Tools Appl* 78, 13675-13712 (2019). <https://doi.org/10.1007/s11042-018-6916-2>
- \* [J30] 2018  
JCR Q3; IF: 1.735  
Vazquez, V., Cibrian, F.L. & Tentori, M. StretchyStars: a multitouch elastic display to support cooperative play among preschoolers. *Pers Ubiquit Comput* 23, 99-115 (2019). <https://doi.org/10.1007/s00779-018-1179-5>
- \* [J29] 2018  
Monarca Pintle Gloria Ivonne, Morales Téllez Arturo, Cibrian Robles Franceli Linney, & Tentori Espinosa Mónica Elizabeth (2018). PaU: Diseño de un exergame en una superficie elástica para niños con autismo severo. *Avances en Interacción Humano-Computadora*. doi: 10.47756/aihcy3i1.39.
- \* [J28] 2017  
JCR Q1; IF: 3.632  
Franceli L. Cibrian, Oscar Peña, Deysi Ortega, Monica Tentori, BendableSound: An elastic multisensory surface using touch-based interactions to assist children with severe autism during music therapy, *International Journal of Human-Computer Studies*, Volume 107, 2017, Pages 22-37, <https://doi.org/10.1016/j.ijhcs.2017.05.003>.
- [J27] 2017  
JCR Q1; IF: 3.632  
Karina Caro, Mónica Tentori, Ana I. Martínez-García, Marina Alvelais, Using the FroggyBobby exergame to support eye-body coordination development of children with severe autism, *International Journal of Human-Computer Studies*, Volume 105, 2017, Pages 12-27, ISSN 1071-5819, <https://doi.org/10.1016/j.ijhcs.2017.03.005>.
- \* [J26] 2017  
JCR Q1; IF: 6.829  
Karina Caro, Mónica Tentori, Ana I. Martínez-García, Ivan Zavala-Ibarra, FroggyBobby: An exergame to support children with motor problems practicing motor coordination exercises during therapeutic interventions, *Computers in Human Behavior*, Volume 71, 2017, Pages 479-498, ISSN 0747-5632, <https://doi.org/10.1016/j.chb.2015.05.055>.
- [J25] 2017  
Pedro C. Santana-Mancilla, Luís A. Castro, Monica Tentori, Mario Alberto Moreno Rocha, Marcela D. Rodríguez, Tuomo Kujala: CHI-Mexico: ten years of the Mexican Conference on HCI. *Interactions* 24(6): 86 (2017)
- \* [J24] 2016  
JCR Q1; IF: 3.25  
M. Tentori, L. Escobedo, C. Hernandez, A. Matic and G. Hayes, "Pervasive Displays in Classrooms of Children with Severe Autism" in *IEEE Pervasive Computing*, vol. 15, no. 03, pp. 48-57, 2016. doi: 10.1109/MPRV.2016.49
- [J23] 2015  
JCR Q2; IF: 3.353  
Franceli L. Cibrian, Monica Tentori & Ana I. Martínez-García (2016) Hunting Relics: A Persuasive Exergame to Promote Collective Exercise in Young Children, *International Journal of Human-Computer Interaction*, 32:3, 277-294, DOI: 10.1080/10447318.2016.1136180
- \* [J22] 2015  
JCR Q4; IF: 0.629  
R. Cornejo, D. Hernandez, M. Tentori and J. Favela, "Casual gaming to encourage active ageing," in *IEEE Latin America Transactions*, vol. 13, no. 6, pp. 1940-1950, June 2015, doi: 10.1109/TLA.2015.7164221.
- \* [J21] 2015  
JCR Q1; IF: 3.175  
M. Tentori, L. Escobedo and G. Balderas, "A Smart Environment for Children with Autism," in *IEEE Pervasive Computing*, vol. 14, no. 2, pp. 42-50, Apr.-June 2015, doi: 10.1109/MPRV.2015.22.
- [J20] 2015  
JCR Q1; IF: 0.568  
Diego Muñoz, Raymundo Cornejo, Francisco J. Gutierrez, Jesús Favela, Sergio F. Ochoa, Mónica Tentori, A social cloud-based tool to deal with time and media mismatch of intergenerational family communication, *Future Generation Computer Systems*, Volume 53, 2015, Pages 140-151, ISSN 0167-739X, <https://doi.org/10.1016/j.future.2014.07.003>.
- [J19] 2014  
JCR Q2; IF: 3.533  
Carolina Fuentes, Carlos Hernandez, Lizbeth Escobedo, Valeria Herskovic & Monica Tentori (2014) Promoting Self-Reflection of Social Isolation Through Persuasive Mobile Technologies: The Case of Mother Caregivers of Children With Cancer, *International Journal of Human-Computer Interaction*, 30:10, 802-814, DOI: 10.1080/10447318.2014.927279
- \* [J18] 2014  
JCR Q1; IF: 3.175  
L. Escobedo, M. Tentori, E. Quintana, J. Favela and D. Garcia-Rosas, "Using Augmented Reality to Help Children with Autism Stay Focused," in *IEEE Pervasive Computing*, vol. 13, no. 1, pp. 38-46, Jan.-Mar. 2014, doi: 10.1109/MPRV.2014.19.

- \* [J17] 2014  
JCR Q2; IF: 3.006  
Lizbeth Escobedo, Catalina Ibarra, Jehu Hernandez, Mariana Alvelais, and Monica Tentori. 2014. Smart objects to support the discrimination training of children with autism. *Personal Ubiquitous Comput.* 18, 6 (August 2014), 1485-1497. DOI:<https://doi.org/10.1007/s00779-013-0750-3>
- [J16] 2013  
JCR Q1; IF: 3.632  
Raymundo Cornejo, Mónica Tentori, Jesús Favela, Enriching in-person encounters through social media: A study on family connectedness for the elderly, *International Journal of Human-Computer Studies*, Volume 71, Issue 9, 2013, Pages 889-899, ISSN 1071-5819, <https://doi.org/10.1016/j.ijhcs.2013.04.001>.
- \* [J15] 2013  
JCR Q2; IF: 1.479  
Cornejo, R., Tentori, M. & Favela, J. Ambient Awareness to Strengthen the Family Social Network of Older Adults. *Comput Supported Coop Work* 22, 309-344 (2013). <https://doi.org/10.1007/s10606-012-9166-2>
- \* [J14] 2012  
Monica Tentori, Gillian R. Hayes, and Madhu Reddy. 2012. Pervasive Computing for Hospital, Chronic, and Preventive Care. *Found. Trends Hum.-Comput. Interact.* 5, 1 (January 2012), 1-95. DOI:<https://doi.org/10.1561/11000000024>
- \* [J13] 2011  
JCR Q1; IF: 3.405  
Monica Tentori, Marcela Rodriguez, and Jesus Favela Vara. 2011. An Agent-Based Middleware for the Design of Activity-Aware Applications. *IEEE Intelligent Systems* 26, 3 (May 2011), 15-23. DOI:<https://doi.org/10.1109/MIS.2010.30>
- [J12] 2010  
JCR Q4; IF: 1.139  
García Vázquez, J. P., Rodríguez Urrea, M. D., Tentori Espinosa, M. E., Saldaña Gutiérrez, D., Andrade Reátiga, A. G., & Espinoza González, A. (2010). An agent-based architecture for developing activity-aware systems for assisting elderly. *Journal of Universal Computer Science*, 16(12), 1500-1520. doi: 10.3217/jucs-016-12-1500.
- \* [J11] 2010  
JCR Q2; IF: 3.353  
Jesus Favela, Monica Tentori & Victor M. Gonzalez (2010) Ecological Validity and Pervasiveness in the Evaluation of Ubiquitous Computing Technologies for Health Care, *International Journal of Human-Computer Interaction*, 26:5, 414-444, DOI: 10.1080/10447311003719896
- [J10] 2009  
JCR Q4; IF: 1.139  
Gasca Figueroa, E., Favela Vara, J., & Tentori Espinosa, M. E. (2009). Assisting support groups of patients with chronic diseases through persuasive computing. *Journal of Universal Computer Science*, 15(16), 3081-3100. (ID: 13076)
- [J9] 2009  
Favela Vara, J., Tentori Espinosa, M. E., Segura Saldaña, D. D., & Berzunza Richard, G. A. (2009). Adaptive awareness of hospital patient information through multiple sentient displays. *International Journal of Ambient Computing and Intelligence*, 1(1), 27-38.
- \* [J8] 2008  
JCR Q2; IF: 1.286  
Tentori, M. y Favela, J. (2008) "Collaboration and coordination in hospital work through Activity-aware Computing". *International Journal of Cooperative Information Systems (IJCIS)*, 17(4):1-30pp. <https://doi.org/10.1142/S0218843008001919>
- \* [J7] 2008  
JCR Q1; IF: 3.175  
M. Tentori and J. Favela, "Activity-Aware Computing for Healthcare," in *IEEE Pervasive Computing*, vol. 7, no. 2, pp. 51-57, April-June 2008, doi: 10.1109/MPRV.2008.24.
- [J6] 2008  
JCR Q1; IF: 3.405  
D. Sánchez, M. Tentori and J. Favela, "Activity Recognition for the Smart Hospital," in *IEEE Intelligent Systems*, vol. 23, no. 2, pp. 50-57, March-April 2008, doi: 10.1109/MIS.2008.18.
- [J5] 2007  
Mejía, D., Morán, A., Favela, J., Tentori, M., Markarian, A., & Castro, L. (2007). On The Move Collaborative Environments: Augmenting Face To Face Informal Collaboration in Hospitals. *E-Service Journal*, 6(1), 98-124. doi:10.2979/esj.2007.6.1.98
- [J4] 2007  
JCR Q2; IF: 3.426  
Favela, J., Tentori, M., Castro, L.A., Gonzalez, V.M., Moran, E.B. y Martínez-García, A.I. (2007) "Activity Recognition for Context-Aware Hospital Applications: Issues and Opportunities for the Deployment of Pervasive Networks". *Mobile Networks and Applications*, 12(2-3):155-171 pp
- [J3] 2007  
Morán, E. B., Tentori, M., González, V. M., Favela, J., & Martínez-García, A. I. (2007). Mobility in hospital work: towards a pervasive computing hospital environment. *International journal of electronic healthcare*, 3(1), 72-89. <https://doi.org/10.1504/IJEH.2007.011481>
- \* [J2] 2006  
JCR Q4; IF: 1.139  
Tentori, M., Favela, J. y Gonzalez, V. (2006) "Quality of Privacy (QoP) for the Design of Ubiquitous Healthcare Applications". *Journal of Universal Computer Science (JUICS)*, 12 (3):252-269 pp.;10.3217/jucs-012-03-0252
- \* [J1] 2006  
JCR Q1; IF: 3.405  
M. Tentori, J. Favela and M. D. Rodriguez, "Privacy-Aware Autonomous Agents for Pervasive Healthcare," in *IEEE Intelligent Systems*, vol. 21, no. 6, pp. 55-62, Nov.-Dec. 2006, doi: 10.1109/MIS.2006.118.
- \* lead author  
**BOOK CHAPTER(S)**
- [BC6] 2018  
>25 pp  
Escobedo L., Tentori M., Cibrian F. L. (2019) Laboratorios vivientes inteligentes para el diseño centrado en el usuario: el caso de Pasitos. In *Interacción Humano-Computadora y Aplicaciones en México (64-94)*
- \* [BC5] 2015  
>25 pp  
Tentori, M., Mercado, J., Cibrian, F. L., Escobedo, L., (2015) "Pervasive Computing to support individuals with cognitive disabilities" in Book "Pervasive Computing in Medicine: From Electronic Health Records to Nanomedicine" (Eds.) Mary Mehrnoosh Eshaghian-Wilner John Wiley & Sons. <https://doi.org/10.1002/9781118993620.ch6>

- [BC4] 2015  
>25 pp  
Martínez-García, A. I., Tentori, M., Rodríguez, M. (2015) "Aplicaciones Interactivas para Saud" In Book "Interacción Humano-Computadora en México", Muñoz Arteaga, J., González-Calleros, M., Sánchez, A. (Eds). Pearson Educación, México, ISBN 978-607-32-2720-9
- [BC3] 2013  
>25 pp  
Favela, J., Cornejo, R., Velazquez, A., Martinez, A. I., Castro, L. A., Tentori, M. (2013) Nuevas tecnologías de información y comunicación en apoyo a un envejecimiento activo y saludable. In Book Envejecimiento saludable y productivo. (Eds) García-Peña, M.C., Sánchez, S., Juárez, T., Granados, V. . Academia Mexicana de Cirugía ISBN 978-607-95935-3-7
- \* [BC2] 2010  
>25 pp  
Tentori, M., Gonzalez, V. y Favela, J. (2010) "Lessons from evaluating ubiquitous applications in support of hospital work" in Book Pervasive and Smarta Technologies for Healthcare: Ubiquitous Methodologies and Tools, (Eds.) Antonio Coronato and Giuseppe De Pietro, IGI Global
- \* [BC] 2009  
>25 pp  
Tentori, M., Segura, D. y Favela, J. (2009) "Monitoring hospital patients using ambient displays" In Book Mobile Health Solutions for Biomedical Applications. (Eds.) Tan, J. and Olla, P., IGI Global, ISBN 978-1-60566-332-6
- \* lead author  
**FULL PUBLICATIONS IN CONFERENCES (Peer-reviewed)**
- [C50] 2021  
National  
Arturo Morales Téllez, Monica E. Tentori, and Luis A. Castro. 2021. Stress management training in athletes: Design considerations for VR biofeedback systems. In 8th Mexican Conference on Human-Computer Interaction (MexIHC '21). Association for Computing Machinery, New York, NY, USA, Article 6, 1-3. DOI:https://doi.org/10.1145/3492724.3492730
- \* [C49] 2018  
Franceli L. Cibrian, José Mercado, Lizbeth Escobedo, Monica Tentori: A Step towards Identifying the Sound Preferences of Children with Autism. PervasiveHealth 2018: 158-167
- [C48] 2018  
National  
Morales-Téllez, A., Monarca, G. I.\*,Cibrian, F. L.,Tentori, M., & González-Calleros, J. (2018).KiddyAttack: Avirtual reality game to raise awareness of children with cancer about their disease.In Proceedings of the 7th MexicanConference on Human-Computer Interaction(pp. 1-4).(Acceptance rate 50%)
- \* [C47] 2018  
National  
Sanchez-Morales A., Martinez-Gonzales C. L., Cibrian F. L.,Tentori M. (2018). Diseño de interfaz interactiva para la evaluación de deficiencias de atención en niños de preescolar.MexIHC'18
- [C46] 2016  
ACP rate <30%  
Boyd, L. E., Rangel, A., Tomimbang, H., Conejo-Toledo, A., Patel, K., Tentori, M. and Hayes, G. R.. 2016. SayWAT: Augmenting Face-to-Face Conversations for Adults with Autism. In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16). ACM, New York, NY, USA, 4872-4883.
- \* [C45] 2016  
National  
Vázquez, V., Cárdenas, C., Cibrian, F. L., Tentori, M. (2016) Designing a musical fabric-based surface to encourage children with autism to practice motor movements. MexIHC, Colima, Mexico, Septiembre 21-24
- \* [C44] 2016  
National  
Mercado, J., Rodríguez, H., Gonzalez, L. A., Escobedo, L., Tentori, M. (2016) FarmerKeeper: Diseño de un juego serio para proporcionar terapias de neuroretroalimentación en apoyo a los problemas de atención de los niños con autism, MexIHC, Colima, Mexico, Septiembre 21-24
- [C43] 2016  
ACP rate <30%  
Balestrini, M., Marshall, P., Cornejo, R., Bird, J., Tentori, M., Rogers, Y. JokeBox: Coordinating Shared Encounters in Public Spaces. In Proc. of ACM CSCW San Jose California, February 27-March 2, 2016 (Honorable mention)
- \* [C42] 2016  
ACP rate <30%  
Cibrian, F. L, Weibel, N., Tentori, M. 2016. Collective Use of a Fabric-based Interactive Surface to Support Early Development in Toddler Classrooms (2016). In Proceedings of Ubicomp (UbiComp '16). (Honorable mention)
- \* [C41] 2016  
Franceli L. Cibrian, Monica Tentori, Nadir Weibel: A musical interactive surface to support the multi-sensory stimulation of children. PervasiveHealth 2016: 241-244
- \* [C40] 2015  
Cibrian, F. L., Ortega, D. H., Escobedo, L., Tentori, M., Reflections from a long-term deployment study to design novel interactive surfaces for children with autism, In Proc. of UCAMI, Springer-Verlag, Puerto Vara, Chile, December 1-6, 2015
- \* [C39] 2015  
Ylizarriturri, M., Garcia-Macias, J., Tentori, M. Detecting Aggressive Driving Behavior with the Driving Habits System, In Proc. of UCAMI, Springer-Verlag, Puerto Vara, Chile, December 1-6, 2015
- \* [C38] 2015  
ACP rate <30%  
Deysi Helen Ortega, Franceli Linney Cibrian, Monica Tentori:BendableSound: a Fabric-based Interactive Surface to Promote Free Play in Children with Autism. ASSETS 2015: 315-316
- \* [C37] 2015  
ACP rate <30%  
Raymundo Cornejo, Nadir Weibel, Monica Tentori, Jesús Favela: Promoting active aging with a paper-based SNS application. PervasiveHealth 2015: 209-212
- [C36] 2014  
Cornejo, R., Hernandez, D., Tentori, M., Favela, J. (2014) An Ambient Casual Game to Promote Socialization and Active Ageing. CRIWG 2014, Santiago, Chile, Springer International Publishing, Vol. 8658, pp 75-88

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- \* [C32] 2014 Lizbeth Escobedo, Monica Tentori: Mobile Augmented Reality to Support Teachers of Children with Autism. UCAMI 2014: 60-67
- \* [C31] 2013 Zalapa, R., and Tentori, M. (2013) Movement-based and tangible interactions to offer body awareness to children with autism. In Proc. of UCAMI, Springer-Verlag, Guanacaste, Costa Rica, December 2-6, 2013
- \* [C30] 2013 Fuentes, C., Herskovic, V., Heysen, J., Tentori, M. Towards a technology for caregivers: Sharing emotions with far-away family. In Proc. of UCAMI, Springer-Verlag, Guanacaste, Costa Rica, December 2-6, 2013
- [C29] 2013 Hernández, N., Hernandez, C., Tentori, M., Favela, J. y Ochoa, S. Mobile and Context-aware Grocery Shopping to Promote Active Aging. In Proc. of IWAAL, Springer-Verlag, Guanacaste, Costa Rica, December 2-6, 2013
- \* [C28] 2013 Muñoz, R. Cornejo, S. F. Ochoa, J. Favela, F. Gutierrez and Tentori, M. (2013). "Aligning intergenerational communication patterns and rhythms in the age of social media". In Proc. of the Chilean Conference on Human-Computer Interaction. Temuco, Chile. Nov 11-15, 2013
- \* [C27] 2013  
National Rincon, E., Beltran, J., Tentori, M., Favela, J., Chavez, E. "A context-aware baby monitor for the automatic selective archiving of the language of Infants" ENC 2013, 29 de Octubre al 1 de Noviembre, Morelia, Michoacan, IEEE Press.
- [C26] 2013 Miguel Angel Ylizariturri-Salcedo, Saul Delgadillo-Rodriguez, J. Antonio García-Macías, Monica Tentori: Participatory Sensing for Improving Urban Mobility. UCAMI 2013: 378-381
- \* [C25] 2012 Quintana, E., Ibarra, C., Escobedo, L., Tentori, M. and Favela, J. (2012) "Object and gesture recognition to assist children with autism during the discrimination training", CIARP '12, Buenos Aires, Argentina, Sep 3-6, 2012
- [C24] 2012 Escobedo, L., Nguyen, D., Boyd, L., Hirano, S., Rangel, A., García, D., Tentori, M., Hayes, G. R. (2012) MOSOCO: A Mobile Assistive Tool to Support Children with Autism Practicing Social Skills in Real-Life Situations, CHI'12, Austin, Texas, May 5-10, 2012
- [C23] 2012  
ACP rate <30% Raymundo Cornejo, Monica Tentori, Jesús Favela: Enriching family personal encounters with ambient social media. UbiComp 2012: 792-793
- \* [C22] 2012  
ACP rate <30% Raymundo Cornejo, Daniel Hernández, Jesús Favela, Monica Tentori, Sergio F. Ochoa: Persuading older adults to socialize and exercise through ambient games. PervasiveHealth 2012: 215-218
- \* [C21] 2011 Rangel, C. y Tentori, M., "Self-configurable Activities in Activity-Aware Computing: The Case of Autism", UCAMI, Riviera, Maya, Mexico, December 5-9, 2011
- [C20] 2011 Liu, L.S., Hirano, S.H., Tentori, M., Cheng, K.G., George, S., Park, S., y Hayes, G.R. Improving Communication and Social Support for Caregivers of High-Risk Infants through Mobile Technologies. CSCW'11, March 19-23, 2011, 45-484pp,
- [C19] 2011 Cramer, M., Hayes, G.R. Tentori, M., Hirano, S. y Yeganyan, M. Classroom-Based Assistive Technology: Collective Use of Interactive Visual Schedules by Students with Autism. CHI'11, May 7-11, 2011, Vancouver, Canada, 1-10pp,
- \* [C18] 2010 Tentori, M. and Hayes, G. R. (2010) "Designing for Interaction Immediacy to Enhance Social Skills of Children with Autism", Ubicomp'10, Copenhagen, Denmark, September 26-29, 2010, 51-60pp;
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- \* [C16] 2010 Cornejo, R., Favela, J. y Tentori, M. (2010) "Ambient Displays for Integrating Older Adults into Social Networking Sites", CRIWG'10, Maastricht, The Netherlands, September 20-23, Springer-Verlag, 321-336pp
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- [C14] 2009 Meza-Kubo, V., Moran, A., Tentori, M. y Gonzalez-Fraga, A. (2009) "Augmenting Cognitive Stimulation Activities in a Nursing Home through Pervasive Computing", CLIHC (2009), Merida, Yuctan, November, 9-11

- \* [C13] 2008 Segura, D., Favela, J. y Tentori, M. (2008) "Sentient displays in support of hospital work" UCAMI'08 En Advances in Software Computing. J. M. Corchado, et. al. (Eds.) Springer. Zaragoza, España, Octubre, 22-26, 103-111pp. ISBN: 978-3-540-86866-9. ISSN: 1615-3871;
- [C12] 2008 Gasca, E., Favela, J. and Tentori, M. (2008) "Persuasive Virtual Communities to Promote a Healthy Lifestyle among Patients with Chronic Diseases", CRIWG'08, En Groupware: Design, Implementation, and Use. Lecture Notes in Computer Science 5411. R.O. Briggs et. al. (Eds.) Springer. 73-80pp. ISBN: 978-3-540-92830-0. ISSN 0302-9743,
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- \* [C7] 2007 Tentori, M., Favela, J. y Cortes, D. (2007) "Augmenting Ambient Intelligence Environments through Activity-Aware Computing". In proceedings 1st. Symposium on Ubiquitous Computing and Ambient Intelligence (UCAMI 2007), J. Bravo and X. Alamán (Eds.), Thompson, Zaragoza, España, September, 11-14, 161-168 pp. ISBN: 84-9732-442-0
- [C6] 2006 Markarian, A., Favela, J., Tentori, M., Castro, L. A. (2006) "Seamless Interaction among Heterogeneous Devices in Support for Co-located Collaboration". In Groupware: Design, Implementation, and Use. Lecture Notes in Computer Science 4154. Dimitriadis, et al. (Eds.) Springer. 389-404 pp. ISBN 3-540-29110-5. ISSN 0302-9743,
- [C5] 2006 Favela, J., Tentori, M., Castro, L.A., Gonzalez, V. M., Moran, E., y Martinez, A.I. (2006) "Estimating Hospital Workers Activities and its use in Context-Aware Hospital Applications". In proceedings of the 1st. Pervasive Healthcare, Salzburg, Austria, November 29 – December 1, 1-10pp. ISBN: 1-4244-1086-X (Best paper award),
- [C4] 2006 Favela, J. Tentori, M., Markarian, A., Castro, L.A. y Amaya, I. (2006) "Integrating Heterogeneous Devices in Support of Local Mobility". In proceedings of the 12th Americas Conference on Information Systems (AMCIS 2006), Association of Information Systems, August 4-6, Acapulco, México, 2875-2884 pp. ISBN: 970-31-06-21-8
- \* [C3] 2005 National Tentori, M., Favela, J., Gonzalez, V. y Rodriguez, M. (2005) "Supporting Quality of Privacy (QoP) in Pervasive Computing". In proceedings 6th Mexican International Conference on Computer Science (ENC 2005), V. Estivilli-Castro and A. Sanchez (Eds.), IEEE computer society, September, 26-30, Puebla, Mexico, 58- 65pp,
- \* [C2] 2005 Tentori, M., Favela, J. y Gonzalez, V. (2005) "Designing for Privacy in Pervasive Hospital Environments" In proceedings actas del Simposio de Computación Ubicua e Inteligencia Artificial (UCAMI 2005), Thompson, Granada, Spain, September, 13-16, 27-35 pp. ISBN: 84-9732-442-0
- [C1] 2005 Gonzalez, V., Tentori, M., Moran, E., Favela, J. y Martinez, A. (2005) "Understanding mobile worker's behaviors in a distributed information space: implications for the design of ubicomp technology". In proceedings del 2005 Latin American conference on Human-computer interaction (CLHC 2005), ACM International Conference Proceeding Series; Vol. 124, October, 23-26, Cuernavaca, Mexico, 52-63 pp. ISBN: 1-59593-224-0,
- \* lead author EXTENDED ABSTRACTS IN CONFERENCES (Lightly peer-reviewed)
- \* [EA23] 2020 Ivonne Moncarca, Franceli L. Cibrian, Angel Mendoza, Gillian R. Hayes, Monica Tentori: Why doesn't the conversational agent understand me?: a language analysis of children speech. UbiComp/ISWC Adjunct 2020: 90-93
- [EA22] 2016 Aneesha Singh, Ana Tajadura-Jiménez, Nadia Bianchi-Berthouze, Nicolai Marquardt, Monica Tentori, Roberto Bresin, Dana Kulic: Mind the Gap: A SIG on Bridging the Gap in Research on Body Sensing, Body Perception and Multisensory Feedback. CHI Extended Abstracts 2016: 1092-1095
- \* [EA21] 2016 Franceli Linney Cibrian, Oscar Peña, Vianey Vazquez, Carlos Cardenas, Monica Tentori: Designing a deformable musical surface for children with autism. UbiComp Adjunct 2016: 977-982

[EA20] 2014 Juan Pablo Hourcade, Franca Garzotto, Agata Rozga, Monica Tentori, Panos Markopoulos, Narcís Parés, Judith Good, Helen Pain, Meryl Alper: Supporting children with complex communication needs. CHI Extended Abstracts 2014: 119-122

[EA19] 2014 Kathryn E. Ringland, Rodrigo Zalapa, Megan Neal, Lizbeth Escobedo, Monica Tentori, Gillian R. Hayes: SensoryPaint: a natural user interface supporting sensory integration in children with neurodevelopmental disorders. CHI Extended Abstracts 2014: 1681-1686

\* [EA18] 2014 Franceli Linney Cibrian, Ana I. Martínez-García, Monica Tentori: Hunting relics: a collaborative exergame on an interactive floor for children. UbiComp Adjunct 2014: 223-226

\* [EA17] 2014 Ringland, K., Zalapa, R., Hayes, G. R., Tentori, M. (2014) SensoryPaint: An Interactive Surface Supporting Sensory Integration in Children with Neurodevelopmental Disorders, IMFAR 2014, Atlanta, Georgia, May 14-17, 2014

\* [EA16] 2012 Ibarra, C. y Tentori, M. "Things that think" for the cognitive skills training of students with autism. A ser presentado el Taller de Evaluation, interfaces and education, de CHI, Autisn, Texas, In EA CHI 2012

[EA15] 2011 Marcela D. Rodríguez, Monica Tentori, Jesús Favela, Diana Saldaña-Jimenez, Juan-Pablo García-Vázquez: CARE: An Ontology for Representing Context of Activity-Aware Healthcare Environments. Activity Context Representation 2011

[EA14] 2011 Tentori, M., Boyd, L., Nguyen, D., Roxas, W. and Hayes, G. R. (2011) "Perceived Acceptance of the Mobile Social Copass", IMFAR, San Diego, May 12-14

\* [EA13] 2010 Escobedo, L. y Tentori, M. Blue's Clues: An Augmented Reality Positioning System, Presentado en el Taller de Child Computer Interaction de CHI, Vancouver, CA., In EA CHI 2010

\* [EA12] 2010 Tentori, M., Boyd, L. and Hayes, G. R. (2010) "A Mobile Social Compass", IMFAR, Philadelphia, April 20-21

[EA11] 2009 Sandra Nava-Muñoz, Alberto L. Morán, Mónica Tentori, Claudia Espinel. 2009, Notificaciones Conscientes del Contexto: Estudio de Caso Cuidadores Formales de Adultos Mayores. In EA of Latin-American Conference on Human-Computer Interaction (CLIHCO'09), Mérida, Yucatán. 9-11 Nov 09. PP 85-86. ISBN 978-607-7753-32-2.

\* [EA10] 2009 Fernandez, R., Favela, J. y Tentori, M. (2009) "SeniorWatch: A video browsing system to monitor elders with dementia in a nursing home", In EA of CLIHCO (2009), Merida, Yuctan, November, 9-11, 1-7pp.

[EA9] 2009 Nava-Muñoz, S., Morán, A. L. y Tentori, M. (2009), "A Taxonomy of Notification Technology for Assisting the Caregivers of Elders with Cognitive Decline", In EA HCI 2009, San Diego, CA, USA 19-24 July 09. PP 956-960. ISBN 978-3-642-02884-7.

\* [EA8] 2009 Cornejo, R., Tentori, M. y Favela, J. (2009) "Integrating elders into virtual social networks through ambient displays", In EA of HCI 2009, San Diego, CA, USA 19-24 July 09. PP 956-960. ISBN 978-3-642-02884-7.

\* [EA7] 2009 Tentori, M., Cornejo, R. and Favela, J. (2009) "Sentient displays to connect elders with cognitive disabilities to the digital era of social interaction", In EA of CHI, 2010, 10-15 April, Atlanta, GA, USA, pp.

\* [EA6] 2007 Favela, J., Gonzalez, V.M. and Tentori, M. (2007) "The evaluation grid: challenges in the evaluation of Ubihealth Technologies", In EA CHI '09, Boston, USA, April, 4-9

\* [EA5] 2007 Favela, J., Tentori, M., Garcia-Peña, C., Rodriguez, M.D. y Gonzalez, V.M. (2007) "Activity Recognition for the Assessment and Assistance of Age-Related Cognitive Decline" Workshop on Intelligent Systems for Assisted Cognition. October, 12-13, Rochester, NY.

[EA4] 2006 Silva, J.M., Zamarripa, S., Moran, E.B., Tentori, M. y Galicia, L. (2006) "Promoting a healthy lifestyle through a Virtual Specialist Solution". In EA CHI 2006, April, 22-27, Montreal, Quebec, Canada, 1867-1872 pp

\* [EA3] 2006 Tentori, M., Favela, J. y Gonzalez, V. (2006) "Towards the Design of Activity-aware Mobile Adaptive Applications for Hospitals" In EA of UbiComp 2006 California, USA. 17-21 September.

\* [EA2] 2005 Tentori, M., Favela, J., Gonzalez, V. y Rodríguez, M. (2005) "Towards the Design of Privacy-Aware Computing: A Case Study in Hospital Work". In proceedings de Workshop on UbiComp Privacy: Privacy in context en UbiComp 2005, Tokyo, Japan, September, 11-14

[EA1] 2004 National Escobedo, L., Tentori, M., Martínez, A., Galicia, L. y Macías, A. (2004) "SAPeR: un sistema para la administración de pacientes en rehabilitación". In extended abstracts, M. A. Estrada y A. Gelbuckh (Eds.), Taller de Informatica Medica del ENC 2004, Colima, Mex. September 20-24, 687-692pp. ISBN 970-692-170-2.

\* lead author

\* [TD8] 2020|TRL 7

\* [TD7] 2020|TRL 7

TECHNOLOGY DEVELOPMENT AND INNOVATION

FarmerKeeper

BendableSound



\* [TD6] 2015|TRL 7 FroggyBobby

\* [TD5] 2012|TRL 7 MOSOCO

\* [TD4] 2014|TRL 7 MOBIS

\* [TD3] 2018|TRL 7 Ahi

\* [TD2] 2016|TRL 7 Circus in Motion

\* [TD1] 2012|TRL 7 T3

\*co-supervised

[S24] YTD|Ph.D. Arturo Morales Tellez "Realidad virtual para la biorrealimentación adaptativa" (en progreso)

[S23] YTD|Ph.D. Gloria Ivonne Monarca Pintle "Cómputo háptico en apoyo al cribado de niños con trastorno del espectro autista" (en progreso)

\* [S22] 2019|Ph.D. Jose Carlos Mercado Chan "Interfaces cerebrales para proporcionar neuroretroalimentación en apoyo a los problemas de atención en niños con autismo" <https://cicese.repositorioinstitucional.mx/jspui/handle/1007/3052>

[S21] 2018|Ph.D. Franceli L. Cibrian. Superficies elásticas para apoyar a niños con autismo durante sesiones de musicoterapia neurológica. <https://cicese.repositorioinstitucional.mx/jspui/handle/1007/3052>

\* [S20] 2016|Ph.D. Karina Caro Corrales. "Videojuegos serios basados en movimiento en apoyo a niños con autismo con problemas de motricidad" <https://cicese.repositorioinstitucional.mx/jspui/handle/1007/1318>

\* [S19] 2014|Ph.D. Raymundo García Cornejo. "Inteligencia ambiental para fortalecer las redes sociales de los adultos mayores" <https://cicese.repositorioinstitucional.mx/jspui/handle/1007/431>

[S18] 2014|Ph.D. Lizbeth Olivia Escobedo Bravo. "Tecnologías asistidas cognitivas ubicuas para asistir los problemas de atención y manierismos de niños con autismo en terapias supervisadas y no supervisadas" <https://repositorioinstitucional.uabc.mx/handle/20.500.12930/54?mode=full>

[S17] 2021|M.Sc. María Concepción Valdez Gastelum "Sonificación interactiva de movimientos para cambiar la percepción corporal: El caso de estudio de yoga" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=25986>

[S16] 2018|M.Sc. Gloria Ivonne Monarca Pintle. "Patrones gestuales para la detección de autismo en niños" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=25153>

[S15] 2018|M.Sc. Arturo Morales Tellez. "Hologramas interactivos para la bio-retroalimentación de la respiración de niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=25179>

[S14] 2017|M.Sc. Judith Guadalupe Ley Flores "Sonificación interactiva de movimientos de niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24912>

[S13] 2017|M.Sc. Hugo Fernando Rodríguez Aguilar "Diseño de diademas cerebrales para niños" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24901>

[S12] 2017|M.Sc. Esthela Vianey Vázquez Medina "Superficies flexibles para fomentar el juego cooperativo en niños de preescolar: <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24851>

[S11] 2016|M.Sc. Oscar Peña Ramírez "Juegos serios basados en movimiento para apoyar las terapias vestibulares de niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24441>

[S10] 2015|M.Sc. Deysi Helen Ortega Román "Superficies interactivas para apoyar el juego no-estructurado de niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24272>

[S9] 2014|M.Sc. Carlos Refugio Hernández Flores "Pantallas ambientales para apoyar el manejo conductual de niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=24048>

[S8] 2014|M.Sc. Franceli Linney Cibrian Robles "Videojuegos en pisos interactivos para promover ejercicio colaborativo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=23654>

[S7] 2014|M.Sc. Miguel Angel Ylizarituri Salcedo "Sensado participativo para movilidad urbana" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=23653>

[S6] 2014|M.Sc. Carlos Rodrigo Zalapa Cardiel "Cómputo tangible en apoyo a las terapias sensoriales para niños con autismo" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=23478>

[S5] 2013|M.Sc. Efraín Rincón Sarmiento "Herramientas de captura y acceso para el análisis selectivo del llanto infantil" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=23377>

[S4] 2013|M.Sc. Claudia Margarita Rangel López "Cómputo conciente de la actividad en apoyo a la ejecución paso a paso de actividades de la vida diaria de niños con autismo: el caso del lavado de manos" <https://repositorioinstitucional.uabc.mx/handle/20.500.12930/956>

- [S3] 2012|M.Sc. Catalina Ibarra Enríquez "Objetos aumentados en apoyo a las terapias cognitivas de niños con autismo" <https://repositorioinstitucional.uabc.mx/handle/20.500.12930/970>
- [S2] 2009|M.Sc. Raymundo Cornejo García "Pantallas ambientales afectivas para mantener los lazos afectivos entre adultos mayores y sus familiares" <https://biblioteca.cicese.mx/catalogo/tesis/index.php?query=raymundo+cornejo&field=all&coleccion=4>
- [S1] 2009|M.Sc. Raúl Gerardo Fernández Escobosa "Cómputo ubicuo para la captura y acceso de video en apoyo al monitoreo de adultos mayores con problemas cognoscitivos" <https://biblioteca.cicese.mx/catalogo/tesis/ficha.php?id=18296>

#### FUNDING

- [S12] 2020|PI Interfaces cerebrales en autismo. Fronteras de la ciencia 2015. \$947000 MX
- [S11] 2020|Co-PI ACM Joint International Conference in Ubicomp and ISWC. Call for proposals to organize the stellar conference of the ACM SIGCHI and SIGMOBILE 2019. \$500000 US
- [S10] 2017|Co-PI Summer School on Pervasive Computing Interaction for binational challenges. ACM SIGCHI. \$17940 US
- [S9] 2016|Co-PI Augmenting music therapy with interactive surfaces to support sensorimotor regulation in children with autism. UC-MEXUS-CONACYT Collaborative grants 2015. \$25000 US
- [S8] 2015|PI Ambient networks to connect autistic children to the digital era of social interaction. Ciencia Básica 2012. \$378000 MX
- [S7] 2015|Co-PI Enriching interactive visual supports with video modeling for children with autism. UC-MEXUS-CONACYT Collaborative grants 2013. \$25000 US
- [S6] 2011|PI Activity-aware computing, Autism and Alzheimer: Improving capture and access tools to support people with cognitive disabilities. Integración de nuevo profesor de tiempo completo PROMEP 2009 \$704000 MX
- [S5] 2014|Co-PI Mobile interactive games to facilitate cognitive therapies of children with autism. FINNOVA 2014. \$4000000 MX
- [S4] 2014|Co-PI Mobile and Tangible Computing for the remote monitoring of emotional states in palliative care caregivers. LACCIR 2014. \$47000 US
- [S3] 2011|Co-PI Contextual Network. Proyectos colaborativos de las Redes Temáticas. \$70000 MX
- [S2] 2011|Co-PI US-Mexico Workshop on Interactive and Ubiquitous Computing uniting the Californias (WIUC2). NSF International Research and Education: Planning Visits and Workshops 2010. \$16883 US
- [S1] 2011|Co-PI Remote evaluation of mobile and ubiquitous systems for healthcare. Red CUDI 2010. \$173000 MX

#### TEACHING

- [S11] 2021-2022|Ph.D. Diseño y Análisis de Experimentos en Ciencias de la Computación. Posgrado en Ciencias de la Computación. Cuatrimestre I. (CICESE)
- [S10] 2009-2021|Ph.D. Diseño de sistema interactivos. Posgrado en Ciencias de la Computación. Cuatrimestre I. (CICESE)
- [S9] 2021|Ph.D. Cómputo Móvil y Ubicuo. Posgrado en Ciencias de la Computación. Cuatrimestre I. (CICESE)
- [S8] 2012-2016|Ph.D. Análisis y Diseño Orientado a Objetos. Posgrado en Ciencias de la Computación. Cuatrimestre III. (CICESE)
- [S7] 2010-2012|Ph.D. Actividades de Investigación. Posgrado MyDCI. Semestre I y II. (UABC)
- [S6] 2011|B.Sc. Cognición asistida. Licenciatura en Ciencias Computacionales. Semestres II. (UABC)
- [S5] 2009|M.Sc. Evaluación y desarrollo de Tecnologías de la Información. Posgrado MTIC. Semestre I. (UABC)
- [S4] 2008-2011|B.Sc. Metodologías de la programación. Licenciatura en Ciencias Computacionales. Semestre I. (UABC)
- [S3] 2009-2011|B.Sc. Cómputo Móvil y Ubicuo. Licenciatura en Ciencias Computacionales. Semestre II. (UABC)
- [S2] 2008|B.Sc. Reingeniería de Procesos. Licenciatura en Ciencias Computacionales. Semestre II. (UABC)
- [S1] 2008|B.Sc. Seminario de investigación. Licenciatura en Ciencias Computacionales. Semestre I. (UABC)

#### INVITED TALKS

- [S28] 2022|Seminar Interfaces naturales para la identificación de marcadores digitales. Seminario departamental CIMAT. 14 de Febrero del 2022
- [S27] 2021|Keynote Panel Panelista en la Mesa de discusión Implementación de la IA en salud: retos y perspectivas del congreso RIAA 2021. Agosto 27, 2021

- [S26] 2021|Seminar Interfaces naturales para identificar marcadores digitales. Escuela de Otoño de Ciencias de la Computación
- [S25] 2021|Keynote Interfaces naturales en autismo. Jornadas de la Ciencia IPN. 9 de Noviembre 2021
- [S24] 2021|Keynote Interfaces naturales en autismo. Jornadas Académicas de Informática (UNSIJ). 12 Marzo 2021
- [S23] 2021|Seminar La experiencia humana del cómputo ubicuo. Mujeres Científicas en acción. Ayuntamiento de Enenada. 14 de Febero de 2021
- [S22] 2020|Seminar Lessons learned organizing Ubicomp/ISWC. UCSD Seminar. 18 Noviembre 2020
- [S21] 2019|Keynote La Experiencia Humana en Cómputo Ubicuo. UXPA. 28 de Septiembre de 2019
- [S20] 2019|Keynote Se pueden recetar las tecnología ubicuas? Tedx. 5 de Septiembre de 2019
- [S19] 2018|Seminar Interfaces naturales en salud y ambientes urbanos. Seminario departamental Electronica (CICESE)
- [S18] 2017|Keynote Music and body in autism. CLIHC 2017. Guatemala. 6 de Noviembre 2017
- [S17] 2017|Seminar La experiencia humana del cómputo ubicuo, Ceart, Ensenada México, Enero 25, 2017
- [S16] 2016|Seminar Tentori, M. "Diseño y evaluación de sistemas ubicuos en salud, UT3, Nayarit, Tepic, Agosto 26, 2016
- [S15] 2016|Keynote Human Computer Interaction in Mexico, SIGCHI Workshop@CHI 2016, San Jose California, USA, Mayo 8, 2016
- [S14] 2015|Keynote [Sobre]viviendo un posgrado en CICESE, Curso Propedeutico, CICESE, Ensenada, Mexico, Septiembre 15, 2015
- [S13] 2015|Keynote Laboratorios vivos ubicuos en autismo, Taller de Interacción-Humano Computadora, ENC '2015, Ensenada, Mexico, Octubre 6, 2015
- [S12] 2014|Keynote Experiencia en el diseño de ambientes ubicuos", Congreso Digeek 2014, CetyS, Ensenada, Noviembre 29, 2014
- [S11] 2014|Keynote Experiencias de investigación con impacto en la sociedad: Una plática con una mujer", Mujeres en la Ciencia, Tijuana, Mexico, October 8
- [S10] 2014|Keynote Viviendo en un ambiente ubicuo para autismo", Congreso de Interacción Humano Computadora, UCOL, Colima, Mexico, September 25, 2014
- [S9] 2013|Keynote Diseño de ambientes ubicuos en apoyo al comportamiento de niños con autismo", World Usability Day 2013 Healthcare: Collaborating for Better Systems, Monterrey, Mexico, November 7, 2013
- [S8] 2013|Keynote Cómputo pervasivo en apoyo al comportamiento de niños con autismo y adultos mayores", Taller de Informática Médica, ENC 2013, Morelia, México, October 31, 2013
- [S7] 2013|Seminar Behaviour-aware computing in healthcare", UCLIC, London, UK, September 26, 2013
- [S6] 2013|Keynote Interaction design for pervasive healthcare", Doctoral School, Trento, Italy, September 9, 2013
- [S5] 2012|Seminar La experiencia humana del cómputo ubicuo: El caso de autismo", BUAP, Puebla, March 16, 2012
- [S4] 2012|Seminar The human experience of ubiquitous computing", Escuela doctoral, Santiago, Chile. January 9-13, 2012
- [S3] 2011|Keynote Panel Panel on "Experiences with Interdisciplinary research", Workshop on Ambient Intelligence on Healthcare and Social Wellness (UACAMI 2011), December, 2011, Rivera Maya, Mexico
- [S2] 2010|Seminar Ubiquitous computing for vulnerable populations: three ecosystem domains". INTEL, Santa Clara, July 13,2010
- [S1] 2010|Seminar Supporting the needs of vulnerable populations to make activity-aware computing matter". Irvine, CA. Department of informatics Seminar, University of California, Irvine. April 16,2010
- [S34] 2020 General chair Ubicomp 2020
- [S33] 2017 Program chair Doctoral colloquim, Ubicomp (2017)
- [S32] 2017 General chair ACM SIGCHI Summer School on Pervasive Computing Interaction for Binational Challenges" (2017)
- [S31] 2017 Program committee CLIHC (2017)
- [S30] 2016 Program committee UBICOMP (2016)
- [S29] 2016 Program committee UCAMI (2016)
- [S28] 2016 Program chair Doctoral colloquim, PervasiveHealth (2016)
- [S27] 2016 Program chair Doctoral colloquim, MexIHC (2016)

[S26] 2016  
Program committee CHI "Health, Accesibility and Ageing" (2016)

[S25] 2016  
Program committee ASSETS (2016)

[S24] 2016  
Program committee PervasiveHealth, San Diego Calfirnia (2016)

[S23] 2015  
Program committee PervasiveHealth, San Diego Calfirnia (2015)

[S22] 2015  
Program committee iConference (2015)

[S21] 2014  
General chair Workshop on Supporting Children with Complex Communication Needs", CHI 2014, Toronto, Canada (2014)

[S20] 2014  
Program committee PervasiveHealth, San Diego Calfirnia (2014)

[S19] 2014  
Program committee UCAMI (2014)

[S18] 2014  
Program committee UBICOMP (2014)

[S17] 2013  
Program committee CLIHC (2013)

[S16] 2013  
General chair Workshop on Ubiquitous games and gamification for promoting behaviour change and wellbeing", CHI Italy, Trento, Italy (2013)

[S15] 2013  
Program committee ENC (2013)

[S14] 2013  
Program committee CHI Chile (2013)

[S13] 2013  
Program committee IWAAL (2013)

[S12] 2012  
Program committee UCAMI&IWAAL (2012)

[S11] 2012  
Program committee WishWell (2012)

[S10] 2012  
Program committee PervasiveHealth, San Diego Calfirnia (2012)

[S9] 2012  
Program chair PervasiveHealth, San Diego Calfirnia (2012)

[S8] 2012  
Program chair MexIHC: Mexican conference in Human-Computer Interaction (2012)

[S7] 2012  
Program committee UBICOMP (2012)

[S6] 2011  
General chair Workshop of Ubiquitous Computing uniting the Californias"

[S5] 2011  
Program committee UCAMI (2011)

[S4] 2010  
General chair Workshop of Ubiquitous Computing uniting the Californias")

[S3] 2010  
Program chair Doctoral colloquim, MexIHC (2010)

[S2] 2010  
Program committee UBICOMP (2010)

[S1] 2009  
General chair CLIHC: Latin American Conference on Human Computer Interaction, 2009