Daniel Overholt
Lektor
Institut for Arkitektur og Medieteknologi
Det Tekniske Fakultet for IT og Design
Sektion for Medieteknologi - Campus København
MeCIS - Media Cognition and Interactive Systems
Sound and Music Computing
The Center for Applied Game Research
Adressetype: Besøgsadresse.
A.C. Meyers Vænge 15
4.008
2450
København SV
Danmark
E-mail: dano@create.aau.dk
Telefon: +4599409892

Publikationer

Designing Interactive Musical Interfaces
Overholt, D., 18 apr. 2022, *Designing Interactions for Music and Sound.* Filimowicz, M. (red.). Routledge, 29 s.

Perceptual Ecologies: MINE
Overholt, D. & Skouboe, E. B., 2018, *Worldmaking as Techné: Participatory Art, Music and Architecture.* Hong Kong : Riverside Architectural Press, Bind 1. s. 90-113

2005: The Overtone Violin
Overholt, D., 7 mar. 2017, *A NIME Reader: Fifteen Years of New Interfaces for Musical Expression.* Jensenius, A. R. & Lyons, M. J. (red.). Cham, Switzerland: Springer, s. 223-234 11 s. (Current Research in Systematic Musicology, Bind 3).

Design & Evaluation of an Accessible Hybrid Violin Platform
Overholt, D. & Gelineck, S., 30 jun. 2014, *Proceedings of the International Conference on New Interfaces for Musical Expression.* Caramiaux, B., Tahiroğlu, K., Fiebrink, R. & Tanaka, A. (red.). London: Goldsmiths, University of London, s. 122-125 4 s.

Advancements in Violin-Related Human-Computer Interaction
Overholt, D., 2014, I: International Journal of Arts and Technology (IJART). 7, 2/3, s. 185-206 23 s.

Embedded Audio Without Beeps: Synthesis and Sound Effects From Cheap to Steep
Overholt, D. & Møbius, N. F., 2014, *Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction.* Association for Computing Machinery (ACM), s. 361-364 4 s.

Grafting Acoustic Instruments and Signal Processing: Creative Control and Augmented Expressivity
Overholt, D. & Freed, A., 2013. 1 s.

A System for Sketching in Hardware: Do-It-Yourself Interfaces for Sound and Music Computing
Overholt, D., 11 jul. 2012, *9TH SOUND AND MUSIC COMPUTING CONFERENCE.* s. 253-257 5 s.

Musical Interaction Design with the CUI32Stem: Wireless Options and the GROVE system for prototyping new interfaces
Overholt, D., 21 maj 2012, *Proceedings of the International Conference on New Interfaces for Musical Expression.* s. 119-122 4 s.

Violin-Related HCI: A Taxonomy Elicited by the Musical Interface Technology Design Space
Overholt, D., 2012, *Arts and Technology: Second International Conference, ArtsIT 2011, Esbjerg, Denmark, December 7-8, 2011, Revised Selected Papers.* Brooks, A. L. (red.). Springer, s. 80-89 10 s. (Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST), Bind 101).

Advancements in Actuated Musical Instruments
Overholt, D., Berdahl, E. & Hamilton, R., 28 jun. 2011, I: Organised Sound. 16, 2, s. 154-165 11 s.

The Overtone Fiddle: an Actuated Acoustic Instrument
Overholt, D., 30 maj 2011, *Proceedings of 11th International Conference on New Interfaces for Musical Expression.*
Refsum Jensenius, A., Tveit, A., Inge Godøy, R. & Overholt, D. (red.). University of Oslo, s. 4-7 4 s.

HSP v2: Haptic Signal Processing with Extensions for Physical Modeling
Overholt, D., Kontogeorgakopoulos, A. & Berdahl, E., 16 sep. 2010, *Haptic Audio and Interaction Design 2010 Program and Papers: Proceedings of the HAID 2010 conference.* Aalborg Universitet, s. 61-62 2 s.

A Multimodal System for Gesture Recognition in Interactive Music Performance
Overholt, D., Thompson, J., Putnam, L., Bell, B., Kleban, J., Sturm, B. & Kuchera-Morin, J., 2009, I: Computer Music Journal. 33, 4, s. 69-82 14 s.

Kinetic Interface
Overholt, D. (Opfinder), Adderton, D. (Opfinder) & Kuchera-Morin, J. (Opfinder), 2009, Patentnr. US20090303179

Pendaphonics: A Tangible Pendulum-based Sonic Interaction Experience
Overholt, D., Hansen, A.-M. S., Burleson, W. & Jensen, C., 2009, *Proceedings of the 3rd International Conference on Tangible and Embedded Interaction.* Association for Computing Machinery (ACM), s. 153-160 7 s.

"The fingers" - A tribute to "the hands"
Overholt, D., 2009, *Proceedings of the 2009 International Computer Music Conference, ICMC 2009.* International Computer Music Association, s. 335-338 4 s. (Proceedings of the 2009 International Computer Music Conference, ICMC 2009).

The Musical Interface Technology Design Space
Overholt, D., 2009, I: Organised Sound. 14, 2, s. 217-226 10 s.

Creative Collaborative Exploration in Multiple Environments
Overholt, D., Turk, M., Hollerer, T., Arisona, S. M., Morin, J. K., Coffin, C., Hoetzlein, R. & Putnam, L., 2008, *Creative Intelligent Systems: Papers from the 2008 AAAI Spring Symposium.* AAAI Press, s. 102-110 8 s.

The AlloBrain: an Interactive Stereographic, 3D Audio Immersive Environment
Overholt, D., Wakefield, G., Morin, J. K., Novak, M., Putnam, L., Thompson, J. & Smith, W., 2008, *Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems.* Association for Computing Machinery (ACM), 6 s.

Musical interaction design with the CREATE USB interface teaching HCI with CUIs instead of GUIs
Overholt, D., 2006, s. 425-430. 6 s.

The Overtone Violin: A new computer music instrument
Overholt, D., 2005.

Projekter

AAAI: Acoustically Active Augmented Instruments
Overholt, D. (PI (principal investigator)) & Lähdeoja, O. (PI (principal investigator))
01/01/2018 → 31/12/2018

CultAR: Culturally Enhanced Augmented Realities

Morrison, A. (Projektdeltager), Andersen, H. J. (Projektdeltager), Overholt, D. (Projektdeltager), Jensen, W. (Projektdeltager), Leegaard, J. H. (Projektdeltager) & Knoche, H. (Projektdeltager)
01/01/2013 → 31/12/2015

FMN: Feedback Musicianship Network

Overholt, D. (PI (principal investigator)) & Kiefer, C. (PI (principal investigator))
01/06/2021 → 01/06/2022

Hybrid Instruments

Knakkergaard, M. (Projektdeltager), Overholt, D. (Projektdeltager) & Bundgaard, M. (Projektdeltager)
01/09/2011 → 01/05/2013

ImprovAIze: Using deep learning to improve real-time motion recognition and affective experiences for human-machine interaction

Jochum, E. (PI (principal investigator)), Erkut, C. (PI (principal investigator)), Overholt, D. (PI (principal investigator)), Dahl, S. (PI (principal investigator)), Palamas, G. (PI (principal investigator)) & Bai, S. (PI (principal investigator))
01/09/2022 → 31/12/2022

MITIC: Music Interface Technologies in Intercultural Contexts

Overholt, D. (Projektdeltager), Hansen, A.-M. (Projektdeltager), Wessel, D. (Projektdeltager) & Freed, A. (Projektdeltager)
01/01/2013 → 31/12/2013

NEMID: Princeton Global Network for New Electronic Musical Instrument Design

Overholt, D. (PI (principal investigator)) & Snyder, J. (PI (principal investigator))
01/04/2018 → 31/10/2021