



**Thursday,
April 25, 2013
3:15-5 p.m. in U73**

Guest lecture in the seminar series
**Topics in the Aesthetics of
Music and Sound**

- arranged by **The Aesthetics of Music and Sound** – www.soundmusicresearch.org – **Cross-Disciplinary Interplay between the Humanities, Technology and Musical Practice**; Institute for the Study of Culture, University of Southern Denmark -

<http://www.soundmusicresearch.org/seminarsspring2013.html>

Optimizing Music Learning: The Neuroscience of Skill Practice and Memory Formation

Carla Cash

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Chair, Keyboard Area, School of Music, Texas Tech University

(Via Skype)



Abstract: Research over the past two decades has revealed important insights into the formation, refinement, and retrieval of skill memories. Surprising findings about how the brain develops memories for skills not only make the process of music learning more understandable, but also suggest ways to make practice a more positive and productive experience for both accomplished and developing musicians. In this presentation, Cash will report recent findings that continue to illuminate the processes of music learning. The discussion will describe connections between current understanding of human learning and memory and a number of different components related to how and when we engage in music practice. Information from music pedagogy, cognitive science, kinesiology, and neuroscience will be synthesized to further describe how our understanding of the neural mechanisms involved in skill learning can inform intelligent and effective music learning.

ALL ARE WELCOME! 

Audience participation via Skype is also welcome.