

David John Baker

October 23, 2018

Contact Information

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Online Platforms

👤 ResearchGate

🔗 Github

🌐 My Website

EDUCATION

Ph.D, Music Theory, ABD

Cognitive and Brain Sciences Minor

Louisiana State University, Baton Rouge, Louisiana, USA

Dissertation – Modeling Melodic Dictation

Defense: May, 2019

MSc., Music, Mind and Brain

Goldsmiths, University of London, England

Thesis – Salience and Memorability of Leitmotives in the Music of Richard Wagner

September, 2014

B.M., Instrumental Performance

Baldwin Wallace University, Conservatory of Music, Berea, OH, USA

May, 2012

PUBLICATIONS

Journal Articles

Baker, D., Ventura, J., Calamia, M., Shanahan, D., Elliott, E. (forthcoming). Examining Musical Sophistication: Replication of the Goldsmiths Musical Sophistication Index. *Musicae Scientiae*. (Accepted October 2018)

Akkermans, J., Schapiro, R., Müllensiefen, D., Frieler, K., Jakubowski, K., Busch, V., Fischinger, T., Lothwesen, K., Schlemmer, K., Shanahan, D., & **Baker, D.** (forthcoming) Decoding emotions in expressive music performances: A multi-lab replication and extension study. *Cognition and Emotion*. (Accepted October 2018)

Baker, D. and Müllensiefen D. (2017). Perception of Leitmotives in Richard Wagner's *Der Ring des Nibelungen*. *Frontiers in Psychology: Cognition, Special Issue on Bridging Music Informatics with Music Cognition*. [Article]

Book Chapters

Baker, D. and Shanahan, D. (forthcoming). Examining Fixed and Relative Measurements of Similarity through Jazz Melodies. In World Scientific (Ed.) *Scholarly Approaches to Mathematical Music Theory: Algebra and Combinatorics, Geometry, Topology, and Graph Theory, Discrete Fourier Transform and Distance Measures for Music*. *Forthcoming* [Chapter]

Müllensiefen, D., **Baker, D.**, Rhodes, C., Crawford, T., Dreyfus, L. (2016). Recognition of leitmotives in Richard Wagner's music: chroma distance and listener expertise. In Springer (Ed.) *Analysis of Large and Complex Data*. [Chapter]

Select Conference Proceedings/Talks

Baker, D., Elliott, E., Shanahan, D., Ventura, J. Monzingo, E., Ritter, B., & Young, C. (2018) Explaining Objective and Subjective Aspects of Musical Sophistication: Insights from General Fluid Intelligence and Working Memory. Proceedings of 2018 International Conference on Music Perception and Cognition.

Shanahan, D., Elliott, E., **Baker, D.**, Ventura, J., Monzingo, E., Holt, H., & Keller, H. (2018) Dissecting the Effects of Working Memory, General Fluid Intelligence, and Socio-Economic Status on Musical Sophistication. Proceedings of 2018 International Conference on Music Perception and Cognition.

Baker, D., Monzingo, E., & Shanahan, D. (2018) Modeling Aural Skills Dictation. Proceedings of 2018 International Conference on Music Perception and Cognition.

Monzingo, E., **Baker, D.**, & Shanahan, D. (2018) The Relationships Between Genre Preference, Aural Skills, and Tonal Working Memory. Proceedings of 2018 International Conference on Music Perception and Cognition.

Baker, D. (2018). Who counts as a Musician?, Music and Public Discourse, Columbia, South Carolina. [Video]

Reviews

Baker, D., (2018) "Coughing and Clapping", in *Empirical Musicology Review* , Vol 12, No. 5. [Book Review]

Baker, D., (2015) "Unlocking the Mysteries of Your Brain, Dr. Daniel Levitin Public Lecture", in *Psychomusicology: Music, Mind, and Brain*, Vol 25, No.4, pp. 455-456. [Public Lecture Review]

Manuscripts in Preparation

Baker, D. (2019). Modeling Melodic Dictation. *Doctoral Dissertation: LSU University*.

Baker, D. (May, 2018). Understanding Melodic Dictation via Experimental Methods. In *Companion to Aural Training in Music Education*. Routledge *Chapter Proposal Accepted* [Chapter]

Other Publications

Baker, D (2018) R For Psychologists Handbook. In Progress Current Version of Project Available Here

Müllensiefen, D., **Baker, D.** (2015) Music in Advertising: Testing What Works. Audio Branding Academy Yearbook 2015.[Article in Yearbook]

INVITED TALKS

Baker, D. (November, 2018) Modeling Melodic Dictation. Research Seminar: Computing & Communications Department, The Open University. Milton Keynes, England.

TEACHING EXPERIENCE

Graduate Multivariate Statistics, Teaching Assistant

LSU Psychology Department, Baton Rouge, Louisiana

Spring, 2018

Intermediate Statistics, Teaching Assistant

LSU Psychology Department, Baton Rouge, Louisiana

Autumn, 2017

Foundations of Music Study, Instructor of Record

LSU Music Department, Baton Rouge, Louisiana

Autumn, 2016

Aural Skills IV, Instructor of Record

LSU Music Department, Baton Rouge, Louisiana

Semesters Taught

Spring 2015, Spring 2016

Aural Skills III, Instructor of Record

LSU Music Department, Baton Rouge, Louisiana

Semesters Taught

Autumn 2015, Autumn 2016

VOLUNTEER WORK

Research and Evaluation Residential Voluntary Worker

June 2018 – March 2019

London, England

- Worked at Toynbee Hall and used a Participatory Action Research (PAR) to train people from local communities to co-designed and produced research using quantitative and qualitative tools
- Topics researched included financial capability, mental health support for advice users, private renting, poverty premium, and support for young people.

PROFESSIONAL WORKSHOPS

Theorizing Categorically: Film Music and Beyond with Scott Murphy. Graduate Student Workshop, South Central Society for Music Theory, Hattiesburg, MS, 2018.

Film Music: Cognition to Interpretation with Dr. Juan Chattah. Graduate Student Workshop, Music Theory South East, Columbia, SC, 2018.

Schubert: Text and Music with Dr. Jeffery Perry. Graduate Student Workshop, South Central Society for Music Theory, Memphis, TN, 2017.

Music Informatics Group Workshop on Computational Music Analysis. Green College, University of British Columbia, Canada. November, 2016.

Introduction to Empirical Musicology Summer School, with Dr. David Huron . Ohio State University, Ohio, 2012.

MEMBERSHIPS

Society of Music Theory, Graduate Student Member
South Central Society of Music Theory, Graduate Student Member
Society of Music Perception and Cognition, Student Member