

ATELIER / WORKSHOP

"Piano Under the Microscope"



Kathleen Riley (New York University)

VENDREDI

26 OCTOBRE

DE 9 H 30 À 13 H

○ SALLE FREIMAN HALL

DE 14 H 30 À 17 H

○ SALLE 113 / ROOM 113

PAVILLON PÉREZ BUILDING

(610 CUMBERLAND)

FRIDAY

OCTOBER 26

9:30 AM - 1:00 PM

2:30 - 5:00 PM

ENTRÉE / ADMISSION :

10 \$ (À LA PORTE / AT THE DOOR)

Cet atelier a pu être réalisé grâce à la généreuse contribution de monsieur Donald Himes. / This workshop is made possible by the generous support of Mr. Donald Himes.



uOttawa

L'Université canadienne
Canada's university

613-562-5733

www.musique.uOttawa.ca

www.music.uOttawa.ca



Piano Performance Under the Microscope

Kathleen Riley, Ph.D.

This exciting workshop applies concepts of human physiology, anatomy and bio-mechanics to musical performance. The workshop/training sessions provides participants with hands on training in the use of Proformavision™ -- biofeedback software for analyzing and teaching music performance and technique, and the Yamaha Disklavier. This puts basic principles of movement at the keyboard under the microscope, resulting in understanding how to use your body most efficiently through correct body movements and proper use of muscles to produce a fluid technique which creates better musical performance. The results are seen and heard through playback on the Disklavier while simultaneously viewing the piano roll notation of the performance, video from 3 cameras of hand position and body alignment, and muscle tension measured with surface electromyography, on the computer. This provides immediate feedback on body alignment, technique and tension levels in the arms, hands and fingers that a pianist is not aware of while performing.

Kathleen Riley Ph.D. is an adjunct professor at New York University where she teaches piano and keyboard classes and does research. Through her research she has developed a new interactive multimodal approach to teaching piano as well as assessing and retraining piano technique that addresses the physiology of piano performance. Applying concepts of human physiology, anatomy and bio-mechanics to musical performance allows identification of features within an individual's performance which are likely to be injurious. Articles on Dr. Riley's research have been published in many peer reviewed journals, including Medical Problems of Performing Artists, American Music Teacher and Journal of Technology in Music Learning.

Dr. Riley specializes in retraining musicians with technical problems and injuries and has private practices in New York City and New Jersey. She is also a research consultant for Yamaha Corporation of America.

