Medical Image Processing on the MOC with ChRIS and OpenShift

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Abstract

Boston Children's Hospital, the Mass Open Cloud, and Red Hat have teamed up in an effort to democratize medical image processing. In this session, we'll discuss how the ChRIS (ChRIS Research Integration System) platform is attracting medical researchers with the power of the MOC.

Speaker Bios

Dan McPherson is a Consulting Software Engineer working for Red Hat since 2011. He was one of the earliest members of the OpenShift team and has been involved in many facets of its development with a focus on leadership and architecture. In his current role in Red Hat's new Boston office, Dan acts as an interconnect between Red Hat's engineering departments and its CTO office helping to bring the value of research to the Red Hat product portfolio.

Rudolph Pienaar is Technical Director of the Fetal-Neonatal Neuroimaging and Developmental Science Center at Boston Children's Hospital. He is actively engaged in research on brain surface shape analysis, tractography, as well as AI/ML image processing techniques. Rudolph is also the architect of the ChRIS system that provides a platform for medical image processing in the cloud.