Interferometric imaging is a technique where incoherent waves are used to illuminate the subsurface. This method is also known under the name ‘virtual source imaging.’ In this tutorial, Snieder will review three different methods to derive the principle of interferometric imaging that are based on normal modes theory, a representation theorem, and the stationary phase approximation, respectively. Each of these derivations provides a complementary insight into the physics of interferometric imaging, its limitations, and its opportunities. He will present data examples of interferometric imaging.

**How to Register:** Tutorial attendance is by reservation to the CWP office and is open to sponsor representatives and other guests attending the CWP Annual Project Review Meeting at no charge. Please register by the April 9th deadline by contacting the CWP office by phone (303) 384-2178, or by email cwpcsm@dix.mines.edu. There must be a minimum of 10 persons registered by this date to insure that the course will be held. Project Review meeting sessions will begin following the tutorial Tuesday afternoon at 2:00 PM.