

CITATION

REGINALD FESSENDEN AWARD PRESENTED TO PAUL SAVA

The Reginald Fessenden Award is given to a person who has made a specific technical contribution to exploration geophysics, such as an invention or a theoretical or conceptual advancement, which, in the opinion of the Honors and Awards Committee and the Executive Committee, merits special recognition.

September 27, 2007



“The Honors and Awards Committee unanimously recommends Paul Sava for the Reginald Fessenden Award for his work on angle-domain wave-equation common-image gathers. During the last five years, wave-equation migration has become a powerful and universally acceptable tool for prestack depth imaging. Although this approach to depth imaging has been known theoretically for some time, a major practical hurdle has been an inability to derive velocity information from the process. This problem of velocity estimation was addressed by the work of Paul and co-authors by introducing common-image gathers in the angle-domain. As a result of this pioneering work, so called wave-equation migration has become a standard commercial tool that is used to solve complex imaging problems such as are found in sub-salt plays.”