Boulanger Krakow Workshop:
Instant Csound: Harnessing the Signal Processing and Synthesis Power of Csound
- in the Studio, and in Performance

Csound is the most powerful open-source, public domain, cross-platform software synthesis, and signal processing language in the world, and **Dr. Richard Boulanger** is regarded as the world's leading Csound master. Boulanger is a virtuoso performer, a prolific composer, an innovative researcher, and a passionate and inspiring teacher who, for over 33 years now, has taught at the famous Berklee College of Music in Boston, where he is a Professor of Electronic Production and Design. Dr. Boulanger has shared his knowledge and curriculum through the two canonical Computer Music textbooks that he has written and edited: **The Csound Book** and **The Audio Programming Book** (both are published by The MIT Press). He has also shared his tools through the iPad apps and instrument libraries that he and his students have released as part of his company, *Boulanger Labs*. They are: **csSpectral, csGrain, csJam, Muse,** and **Csound4Live**. Boulanger's top Berklee students are now leading innovators at *Apple, Google, Microsoft, Izotope, Ableton, Native Instruments, Cycling '74, LucasFilm*, and *Disney*; and many are featured players, arrangers, producers, and sound designers in the top touring bands, and featured on million-selling hit records, national network TV shows, award-winning computer games, and blockbuster films. And... all of his top students are Csound gurus! One might well conclude that Csound is their secret source of knowledge and power - their deep well of understanding and innovation. And yet, one has to wonder, why aren't "you" using Csound in your work?   Today, in this masterclass and workshop, Dr. Richard Boulanger will show you the many ways that Csound is being used today, and the many ways that you could be using Csound today. He will unlock the secrets to getting the most out of this powerful open-source software library. You will learn how to use Csound in your musical work, your production work, your sound design work, your research, your compositions, and your performances. You will see how "easy" it is to: make graphical plugins with Csound; to make iPad and iPhone apps with Csound; and how to embed Csound into small single-chip computers like the Raspberry Pi. You will also see how "easy" it is to instantly use the huge library of prebuilt Csound instruments and effects; you will see how "easy" it is to immediately play, control and modify Csound-based stand-alone synths and effects; and you will see how "easy" it is to export these powerful Csound synths and effects as Audio Units and VST Plugins and immediately use them in your favorite DAW. In the end, you will learn how to make Csound a part of your creative toolkit and to take full musical advantage of Csound's incredible versatility and power, and you will you know how to make Csound work for you – on your laptop, in your studio, and in your music.

Dr. Richard Boulanger
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