

## **Discovery of Sound in the Sea ([www.dosits.org](http://www.dosits.org))**

2018 Underwater Acoustics: Webinar Series for the International Regulatory Community

### ***Sound Production and Reception in Teleost Fishes***

Dr. Craig Radford, University of Auckland

Tuesday, November 13, 2018

12:00 pm U.S. (Eastern); 5:00pm UK (London); 1:00am China (11/14, Beijing)

### **Webinar Outline: Sound Production and Reception in Teleost Fishes**

The below outlines an upcoming webinar on sound production and reception in teleost fishes.

Links to relevant background content on the DOSITS website are also included. ***All webinar***

***participants are encouraged to review the outline and background content prior to the webinar.***

### **Presentation Outline:**

- Sound physics – pressure vs particle motion
- Basic hearing structures – otoliths, hair cells etc.
  - Ancillary hearing structures for pressure detection
- Hearing sensitivities
- Sound producing mechanisms – stridulation and sonic muscles
- Behavioral implications

### **Additional information on the DOSITS website:**

Science of Sound > What is sound?

<https://dosits.org/science/sound/what-is-sound/>

Science of Sound > How do you characterize sounds?

<https://dosits.org/science/sound/characterize-sounds/>

Animals and Sound > How do fish produce sound?

<https://dosits.org/animals/sound-production/how-do-fish-produce-sounds/>

Animals and Sound > What components of sound are used for hearing?

<https://dosits.org/animals/advanced-topics-animals/components-of-sound/>

Animals and Sound > How do fish hear?

<https://dosits.org/animals/sound-reception/how-do-fish-hear/>

Animals and Sound> How do marine fishes communicate using sound?

<https://dosits.org/animals/use-of-sound/marine-fish-communication/>

Animals and Sound > How do marine fish and invertebrates use or make sound when feeding?

<https://dosits.org/animals/use-of-sound/marine-fish-and-invertebrates-feeding/>