



The 4th International Conference on
Instrumentation, Control and Automation 2016

Workshop

Electrical Impedance Tomography

“ Computational on Forward and Inverse Problem “

Electrical Impedance Tomography (EIT) is an imaging technique which is able to reconstruct an image of the distribution of electrical properties medium such as resistivity from knowledge of the boundary voltage and current on the object. The EIT is feasible in biological object and suitable for imaging the internal of human body. The knowledge of internal electrical properties would be useful for detecting such as brain function, lung and ventilation, necrotic tissue inside the body, and cancer.

In this workshop, you will learn and discuss the model based iterative reconstruction algorithm using a free software called EIDORS (Electrical Impedance and Diffuse Optical Reconstruction Software).



Prof. Deddy Kurniadi, Dr.Eng.

(Dean of Faculty of Industrial Technology – ITB)

Drs. Agah Garnadi, Grad.Dipl.Sc

(Lecturer in Mathematics Dept. – IPB)



Monday, 29 August 2016, 08.00-16.00 WIB



Multimedia Room, 1st floor

TP Rachmat Building ITB

Registration fee : IDR. 200.000 (student)

IDR. 300.000 (general)

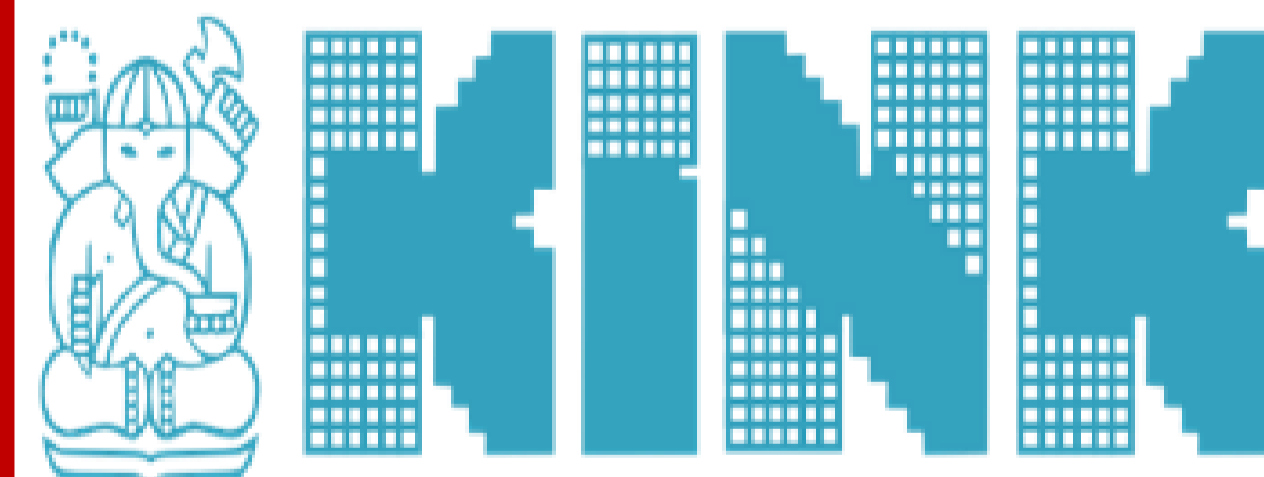
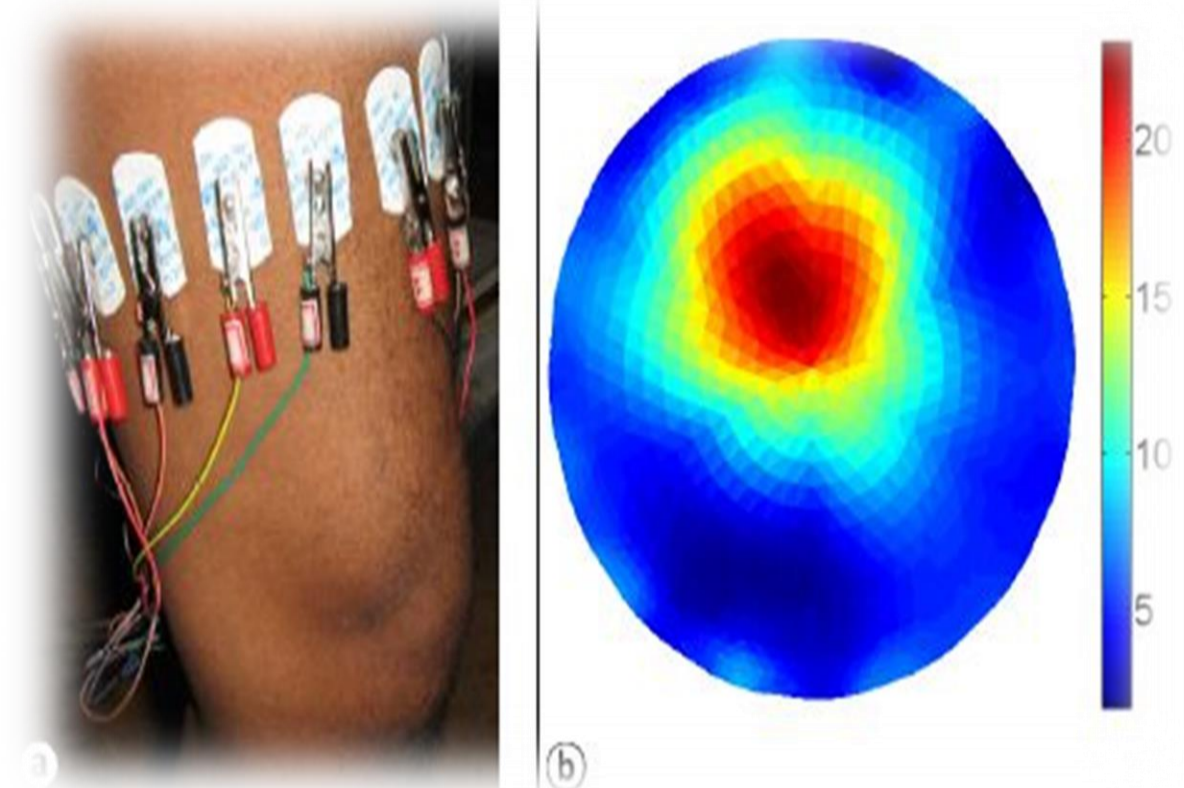
Facility : Certificate, Lunch, Snack & Workshop Kit

Pre-requisite : Basic Electrostatic Principle, Poisson Equation, Matlab

Expected participants : Students, Researchers, and Practitioners in Imaging Technology (CT scanners, MRI, etc)

Workshop Language : Bahasa Indonesia

Participants are expected to bring their own laptop and installed with Matlab 2009a (or newer) and EIDORS.



Registration and information :
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