



Biomedical Engineering Seminar Series

1st Semester, Academic Year 2015

Date: November 10, 2015

Time: 10.00-11.00 PM

Room 6373, 3rd level, Building 3,
Department of Biomedical Engineering,
Faculty of Engineering;
Mahidol University



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“Automatic cervical cell classification in Pap smear images”

The screening program administered by the Ministry of Public Health and the National Health Security Office suggested that women aged 35–60 years should undergo Pap smear examination every five years. With an overall population number of 67 million in Thailand, the number of samples to be examined per year is large comparing to the number of cytologists who process the screening. The study of automatic cervical cell classification has been done for over 40 years to cope with this labor-intensive task of manual screening and also to reduce the error of screening result. It is suggested that the automated system should be used as an aiding tool in conjunction with the expert's opinion rather than relying on the system as a primary screening and diagnosing tool. This topic gives a brief overview of the design of automatic cervical cell classification system from Pap smear images.



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