

Department of Applied Mathematics and Statistics
The Johns Hopkins University

SEMINAR

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Friday, April 25, 2008
Seminar: **11:00 a.m.**
in 304 Whitehead Hall
Luncheon reception to follow
in 301 Whitehead Hall

ESTIMATION OF DEFORMABLE OBJECT MODELS

ABSTRACT

The parameters of the object models discussed in yesterday's Duncan Lecture need to be estimated from training data. Invariance of the models requires the introduction of unobserved instantiation variables which make the estimation more challenging. I will discuss some theoretical aspects of this estimation problem and then show how it can be tackled efficiently using some simple approximations. In particular I will show how submodels—parts—emerge as a component of this estimation procedure.