



情報教育と国際連携

情報処理学会

情報処理教育委員長 笥 捷彦



Accreditation 大枠

- JABEE 「情報および情報関連分野」
 - IPSJ, IEICE, IEEJ の共同審査
- 国際相互承認
 - JABEE が Washington Accord 加盟



Accreditation ずれ

- Washington Accord は Engineering Education の国際相互承認機構
- 「情報」は Engineering の外
- Washington Accord は「情報」に便宜をもたらさない



Accreditation 各国情

- 日本 JABEE: 多様な分野を包含
- 米国 ABET: Engineering・情報は別扱い
 - EAC (Engineering) CE, SE を含む
 - CAC (Computing) CS, IS, IT など
- 韓国 ABEEK: ABET と同様
- 英国 ECUK: BCS for CEng, IEng
- 加国 CCPE-CABE: CE, SE
 - CIPS: 独自に CS, SE, MIS, CST, AIT, ...



Accreditation vs.職業資格

- 日本：技術士試験の1次試験免除
- 米国：直接の関係はない(PEは州単位)
- 韓国：直接の関係はない
- 英国：Chartered Engineer に直結
- 加国：CIS の I.S.P.資格認定に連動



では、どう進むか

- JABEE も EAC, CAC を分離し, ABET, ABEEK との相互承認を探る？
- 職業資格を設ける？



Curriculum

- IPSJ J97
- IEEE CS/ ACM CC 2001, ...
- IPSJ J07 を目指した活動を開始



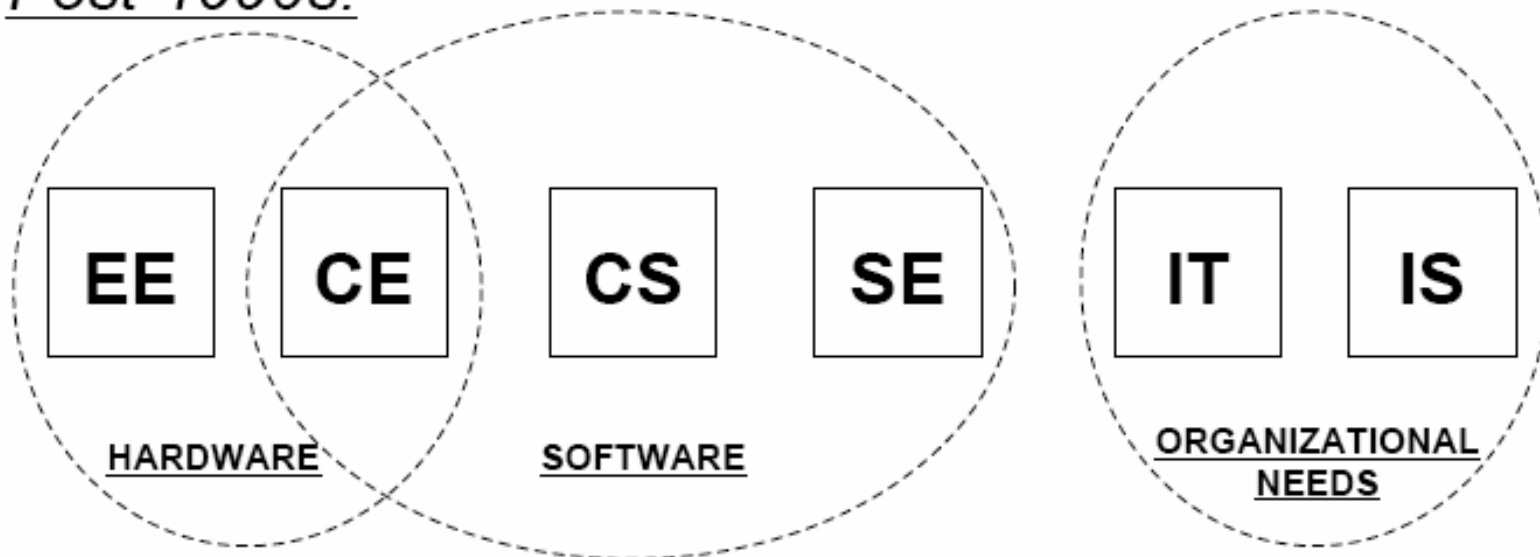
Curriculum cc 2001

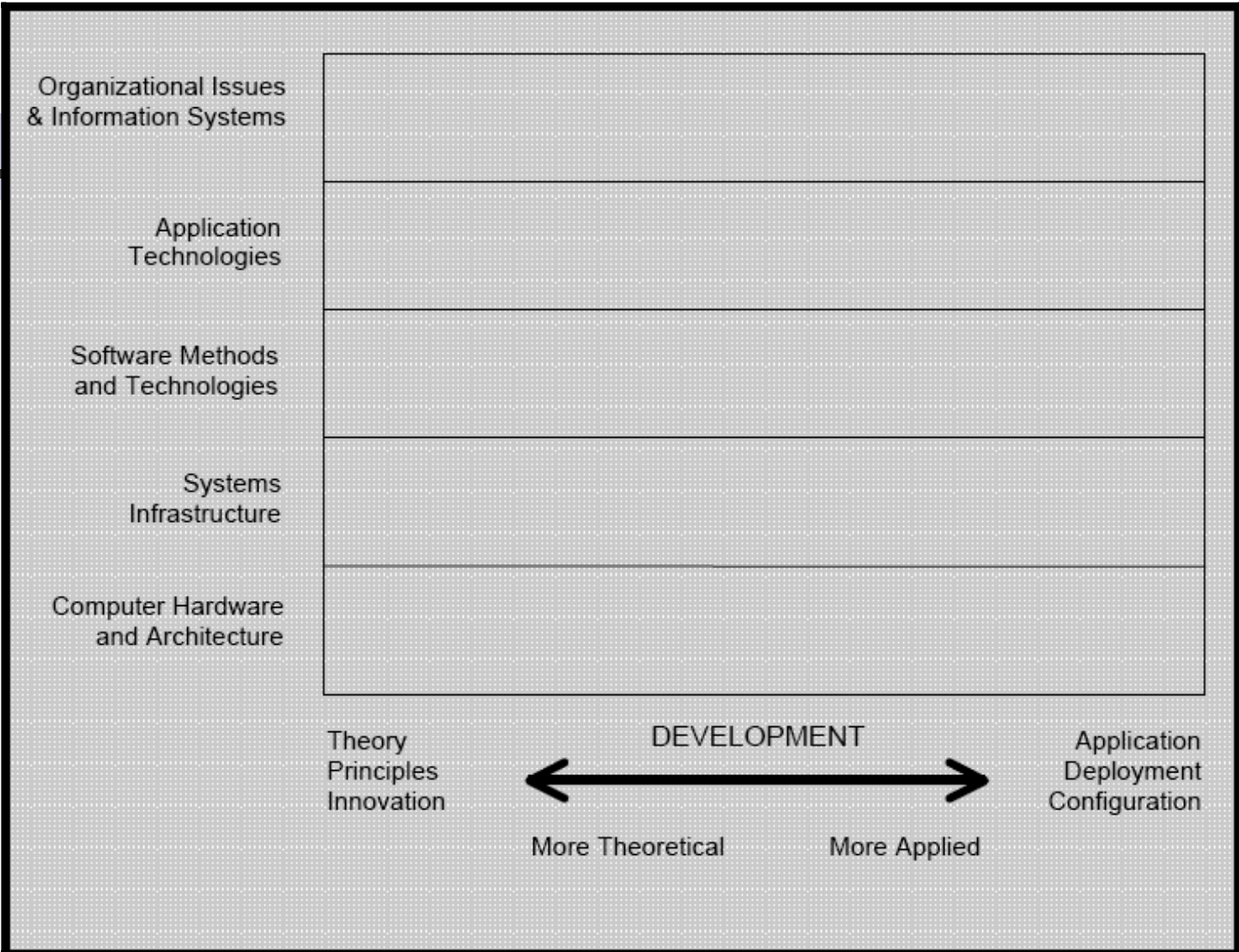
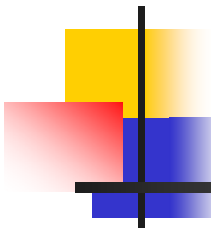
- 基本構成
 - Body knowledge ← これがポイント
 - Sample curriculum
- 分野構成
 - CS 2001
 - CE 2004
 - SE 2004 ← IPSJ liaison
 - IS 2002 ← IPSJ contribution
 - IT 2006

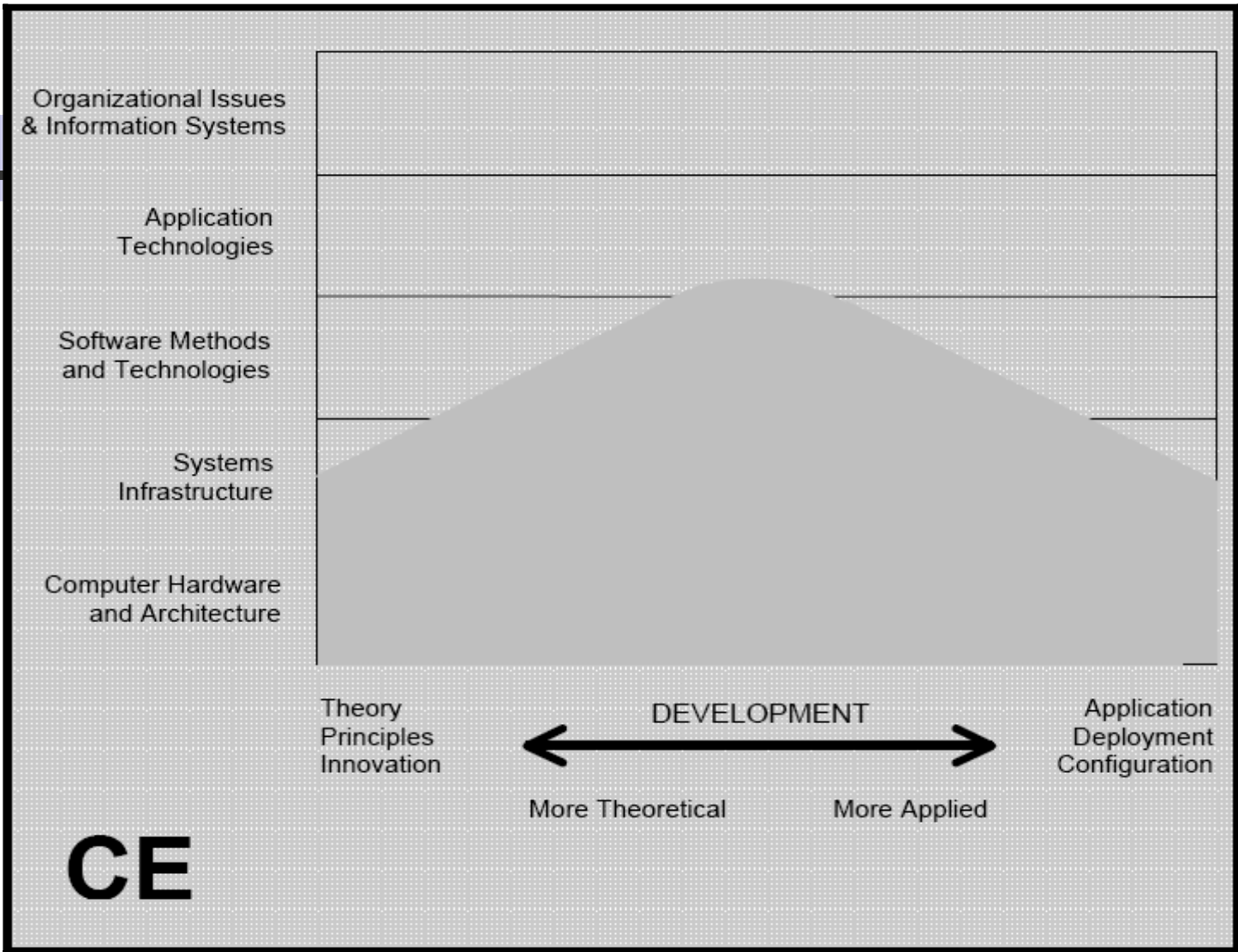
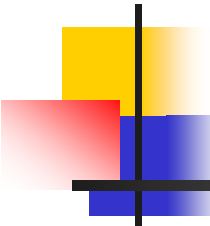
Pre-1990s:

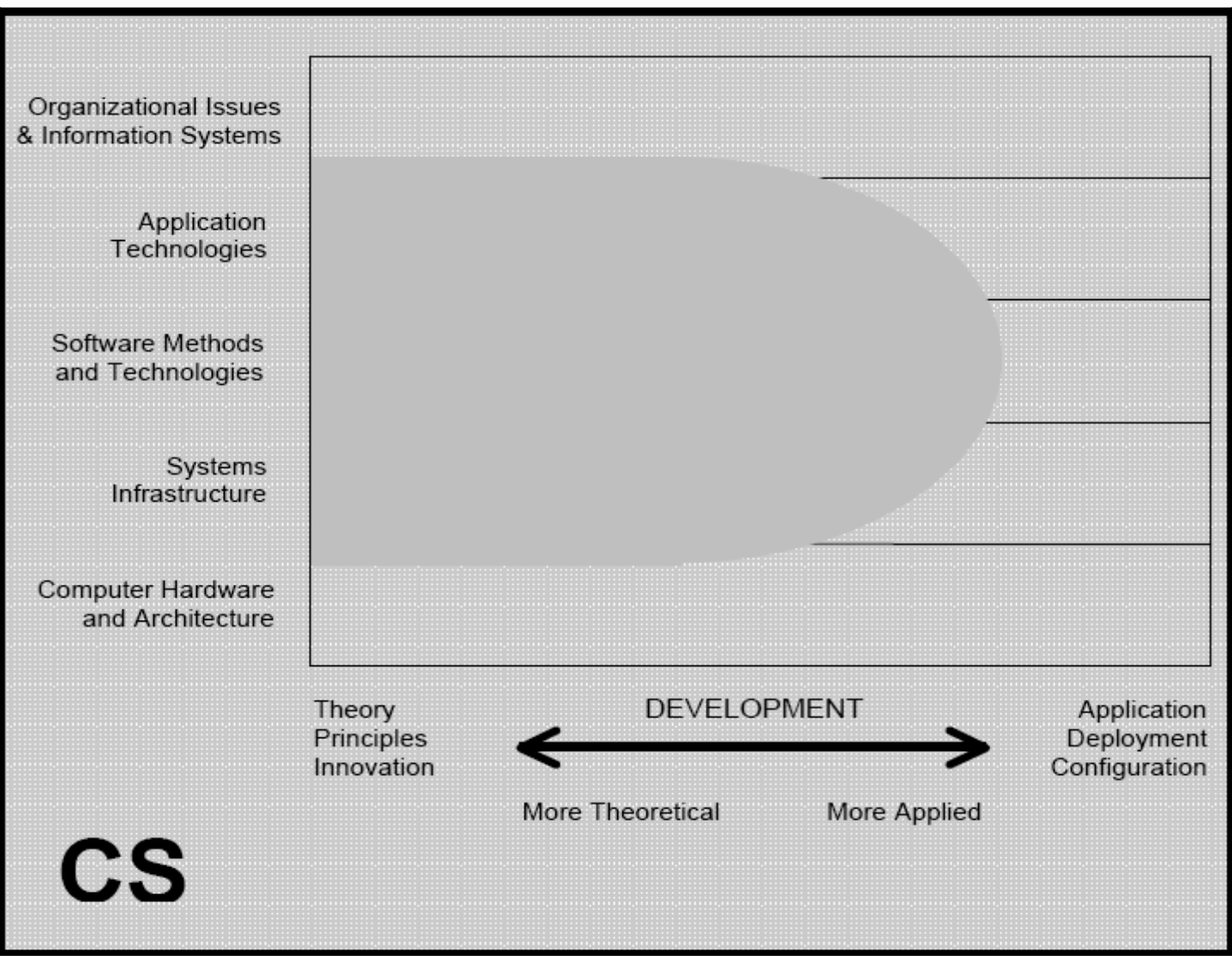
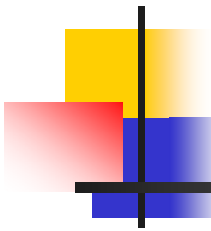


Post-1990s:









Organizational Issues & Information Systems

Application Technologies

Software Methods and Technologies

Systems Infrastructure

Computer Hardware and Architecture

Theory Principles Innovation

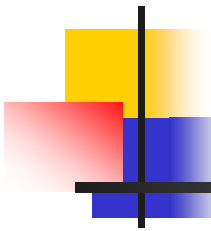
DEVELOPMENT

Application Deployment Configuration

More Theoretical

More Applied

CS



Organizational Issues
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Application
Technologies

Software Methods
and Technologies

Systems
Infrastructure

Computer Hardware
and Architecture

Theory
Principles
Innovation

DEVELOPMENT

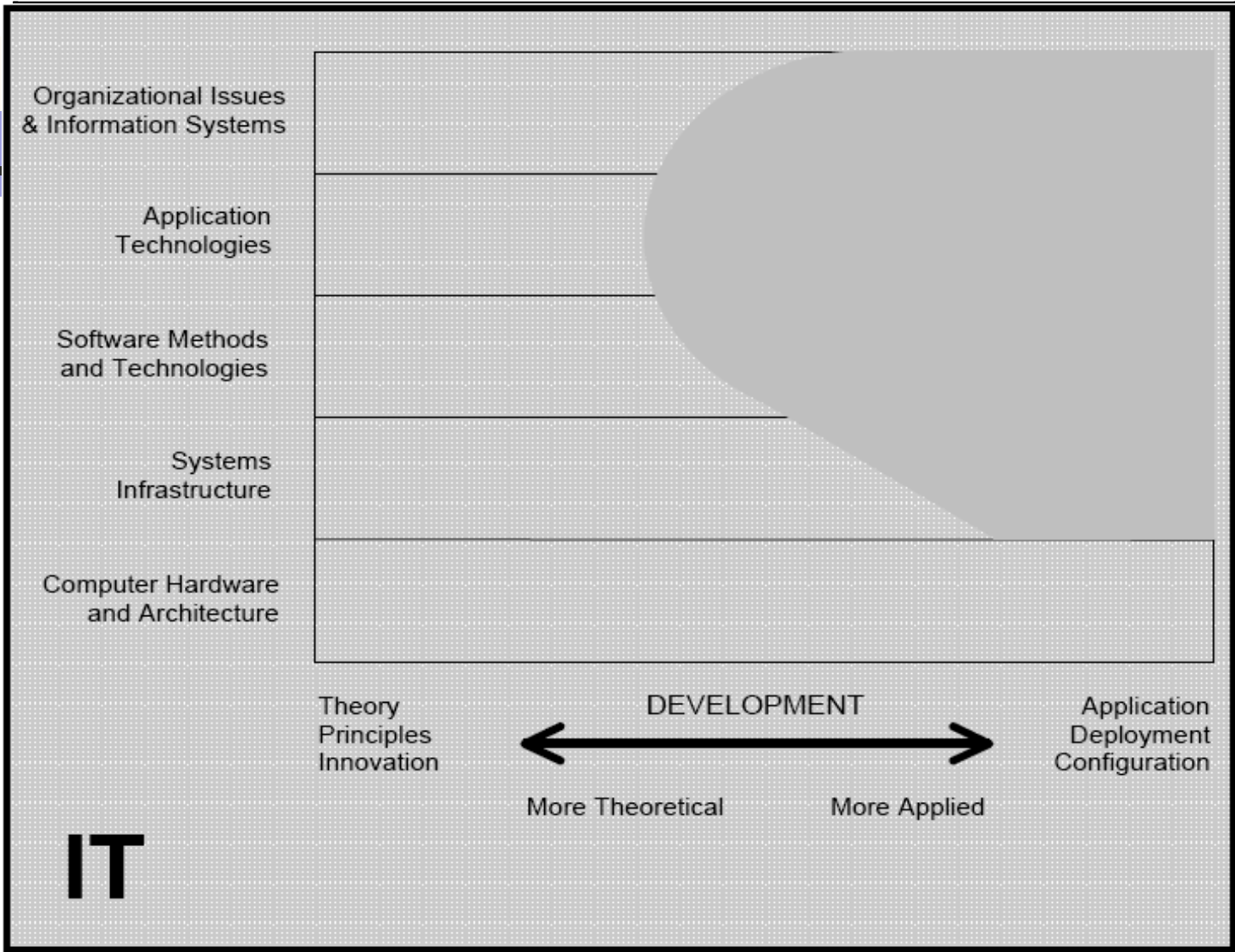
Application
Deployment
Configuration

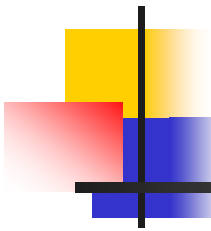


More Theoretical

More Applied

IS





Organizational Issues
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Theory
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DEVELOPMENT

Application
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More Theoretical

More Applied

SE



検討すべきことから

- 国際標準 vs. 日本の状況
 - IT の位置づけ ⇔ 情報サービス産業
 - CE の位置づけ ⇔ 組込みシステム
- Service Science ?
- スキル標準 ITSS, ETSS との関係