

# UNIVERSITY OF SOUTH FLORIDA

## *Major Research Area Paper Presentation*

\$OJRULWKPLF 'HVLJQ DQG 2SWLPLJDWLRQ  
\$PEXODWRU\ 8URG\QDPLFV

by

)DUKDWK =DUHHQ

For the Ph.D. degree in Computer Engineering

/RZHU XULQDU\ WUDFW G\VIXQFWLRQ /87' LV D GHELO  
RI LQGLYLGXDOV ZRUOGZLGH 8URG\QDPLFV LV WKH FX  
XVHV QRQ SK\VLRORJLFDQ\ IDVW UHWURJUDGH FVWR  
IXQFWLRQ &XUHHQW VWDWH RI WKH DUW UHVHDFK  
XURG\QDPLFV XVLQJ ZLUHOHV LPSODQWDEOH GHYLFH  
ILOOLQJ IRU ORQJ+RZHUHQW RQ WKH WHUHQDUH YDULRXV FKDO  
PXOWL VHQVURU DSSURDFK 7KLW UHVHDFK RQ NDLPW DXW  
GHWHFWRQ GDWD DQDO\VLV DQG RSWLPLJDWLRQ RI C  
DQG WUHDWPHQW RI /87' ,Q SDUWLFXODU WKLV ZRUN  
IURP VLQJOH FKDQQHO UHFRUGLQJV XVLQJ VLJQDO S  
LQWHJUDWLRQ RI DFFHOHURPHWU\ DQG EODGGHU YRO  
XVLQJ VHQVURU IXVLRQ WHFKQLTXHV DQG RSWLPLJDWLR  
XVLQJ PDFKLQH OHDUQLQJ IRU V\WHP SRZHU UHGXFWR

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