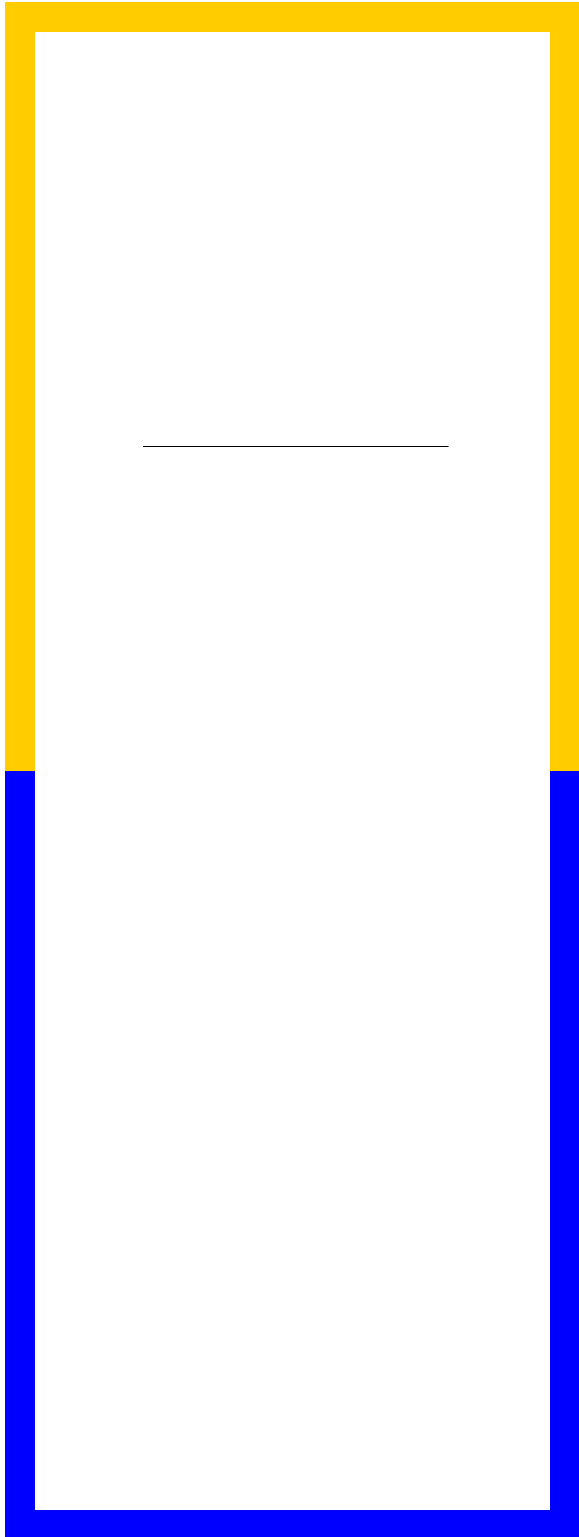


7KH LQQDWH LPPXQH V\|VWHP SURYLGHV WKH
ILUVW OLQH RI GHIHQVH DJDLQVW YLUXV
LQIHFWLRQ 'XULQJ YLUXV LQIHFWLRQ WKH
WUDQVFULSWLRQ IDFRU LQWHUIHURQ ,)1
UHJXODWRU\ IDFRU ,5) JHWV DFWLYDWHG
WR WUDQVFULEH WKH DQWLYLUDO JHQHV W\SH ,
,)1 H J ,)1à DQG WKH LQWHUIHURQ
VWLPXODWHG JHQHV ,6*V 7KH ,6*V
FRQWULEXWH WR KRVW GHIHQVH E\ UHVWULFWLQJ
YLUXV UHSOLFDWLRQ DW PXOWLSOH VWDJHV RI WKH
YLUXV OLIH F\FOH \$GGLWLRQDOO\ ZH KDYH
XQFRYHUHG DQRWKHU DQWLYLUDO UROH IRU ,5)
DV D PHGLDWRU RI D KRVW DSRSWRWLF SDWKZD\
5,* , OLNH UHFHSWRU LQGXFHG ,5)
PHGLDWHG SDWKZD\ RI DSRSWRVLV 5,3\$
ZKLFK SURWHFWV WKH KRVW IURP SHUVLVWHQW
LQIHFWLRQ :H K\SRWKHVLJH 5,3\$ PD\
SURYLGH DQ DOWHUQDWLYH FHOXODU WDUJHW LQ
VFHQDULRV ZKHUH WKH YLUXV VXSSUHVHV ,)1
SURGXFWLRQ DQG VLJQDOLQJ ,Q RXU VWXG\
RXU DLP ZDV WR LGHQWLI\ VPDOO PROFXOH
UHJXODWRUV RI ,5) WKDW FDQ EH XVHG WR
ùYti2&Ð` €ðp0 EH WKHUDSHXWLF LQ GLVHDVHV ZKHUH
,5) DFWLYLW\ LV GHWULPHQWDO WR WKH KRVW
:H LGHQWLILHG DXUDQRILQ DV D VPDOO
PROFXOH WKDW QHJDWLYHO\ UHJXODWHG ERWK
WUDQVFULSWLRQDO DQG 5,3\$ EUDQFKHV RI
,5) DFWLYLW\ ,Q WKLV VWXG\ ZH GHVFULEH
WKH WUDQVODWLRQDO SRWHQWLDO RI RXU 5,3\$
PRGXODWLQJ GUXJV



PRESENTATIONS

PUBLICATIONS

ACKNOWLEDGEMENTS

LQWHUYURZLQJ
SRVLWLRQV LQ WKH 0 DOVÀ`PÀh €`ÖfDWKYLHrH%o@0 @ p A