Engineering Makes a World of Difference Vol. 1 No. 2

PDWFK IURP WKH 0LWFKHOO 0RXOWRQ 6FKRRO +DUULV RQ WKHLU LWK
WR)HUQDQGR /RUHQ]R &R (OHFWULFDO LQHHULQJ DQG $XVV
(QJLQHHULQJ DUH WKLV \HDUV UHFLSLHQWV IRU WKH +DUJU
3LFWXUHG OHIW WR ULJKW &DUROLQH 6PLWK 86$ 'HYHORSPH
9LFNL 6WXGVWLOO +DUJURYH)HUQDQGR /RUHQ]R (OHFWUL
6WHDGPDQ 1RW SLFWXUHG $XVWLQ 0HUHGLWK &LYLO (QJLQ

1$6$; +DE &RPSHWLWLRQ
2XW RI RQO\ WHQ SURMHFWV VHOHFWHG QDWLRQZLGH WZR S

$XWRPDWLRQ ,QIUDVWUXFWXUH IRU
/DERUDWRU\ OHG E\ 'U 6DPXHO 5XVV (OHFWULFDO &RPSXV
/LTXLGV IRU &ORVHG $LU 5HYLWDOL]DWLRQ OHG E\ 'U *UDQ
(QJLQHHULQJ
'U 5XVV V SURMHFW IRFXVHV RQ DXWRPDWLRQ DQG SRZHU P
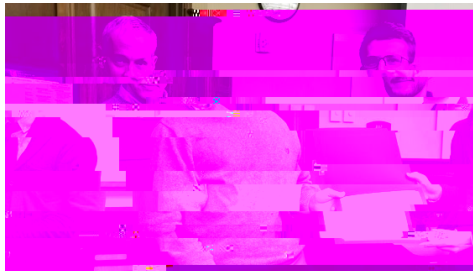ODERUDWRU\ IRU WKH JDWHZD\ ZLWK D VSHFLDO LQWHUHVW
GHVLJQ
'U *ORYHU V SURMHFW ZLOO VXSSRUW VWXGHQWV ZKR ZLOO
VROXWLRQV IRU FDUERQ GLR[LGH FDSWXUH LQ D FORVHG DLU
DLU IRU DVWURQDXWV LV UHF\FOHG ZLWKLQ WKH VSDFHFUDIV
WKH UHPRYDO RI H[KDOHG FDUERQ GLR[LGH
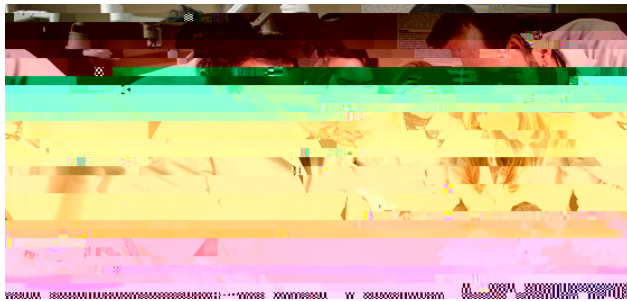6HH WKH IXOO DUWLFOH DW 1$6$ 6HOHFWV 8QLYHUVLW\ 7HDP
6SDFH

& R Q J U D W X O D W L R Q V   W R   R X U

7 D X   % H W D   3 L   6 W X G H Q W   & K D S W H U

7 K H $ O D E D P D   (S V L O R Q   F K D S W H U   D W   8 6 $ U H F H L Y H G   D Q   + R Q R U D E O H

I R U   W K H   5 &   0 D W W K H Z V   2 X W V W D Q G L Q J   & K D S W H U $ Z D U G   D W   W K H   U

W R W D O   R I   F K D S W H V   F R P S H W H G   I R U   W K L V   D Z D U G   7 K H   D Z D U G   L V

*UDGXDWH VWXGHQWV +DUULVRQ :KLWH DQG
0DWWKHZ 6LPPRQV IODQN 'U &DUGRV
0RQWDOYR
DVVLVWDQW SURIHVVRU RI 0HFKDQLFDO
(QJLQHHULQJ DV WKH\ GLVFXVV WKH WUDGHRII
IURP KDYLQJ WZR RU PRUH PLQLDWXUH VDWHOOLWHV FDOOHG
(6DLO 0RUH &XEH6DWV PHDQV PRUH WHWKHUV DQG PRUH WKUX
WDQJOLQJ 6HH WKH IXOO DUWLFOH DW (6DLOLQJ WR WKH (GJH

,QQRYDWLRQ WKDW /HDG
WR 6XUJLFDO 6ROXWLR
'U 6DDPL <D]GDQL DVVRFLDWH S
0HFKDQLFDO (QJLQHHULQJ IHHGV
FDWKHWHU WKURXJK D SLJ DUWHU
&ODLUH &DZWKRQ DQG .DWKU\Q &
UHVHDUFK DVVLVWDQWV DQG 0HFKDQLFDO (QJLQHHULQJ PDMRU
RI (QJLQHHULQJ 6HH WKH IXOO DUWLFOH DW ,QQRYDWLRQ WKD

6WXGHQWV LQ WKH 1HZV
1DWLRQDO 6FLHQFH)RXQGDWLRQ $ZDUGV
&RQJUDWXODWLRQV WR %HQMDPLQ 6LX &KHPLFDO (QJLQHHULQ
5HVHDUFK)HOORZVKLS E\ WKH 1DWLRQDO 6FLHQFH)RXQGDWLR
 &KHPLFDO (QJLQHHULQJ DQG %ULWWDQ\ 0F0LOOLDQ &LYLO (
0HQWLRQV IURP WKH DZDUGLQJ SDQHO 7KH 16) *5) SURJUDP P
WR SURPLVLQJ \RXQJ UHVHDUFKHUV PDQ\ RI ZKRP KDYH JRQH
LQ WKHLU ILHOGV
3KLZDW ZDV DOVR DZDUGHG 7DX %HWD 3L 3KL .DSSD 3KL DQG

$ODEDPD V &LYLO (QJLQHHULQJ 6WXGHQW RI WKH <HDU
3H\WRQ 3RVH\ D 6HQLRU LQ WKH &LYLO &RDVWDO (QYLURQF
QDPHG $ODEDPD V &LYLO (QJLQHHULQJ 6WXGHQW RI WKH <HDU
UHVHDUFK RQ KXUULFDQHV DQG FRDVWDO HQJLQHHULQJ 6HH V

Earnest F. Hollings Undergraduate Scholarship:

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2018 Summer Undergraduate Research Program

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ZLWK 'U 6WHSKDQLH 6PDOOHJDQ DVVLVWDQW SURIHVVRU LQ WKH 'H
HIIHFW RI EHDFK DFFHVV SRLQWV RQ WKH PRUSKRORJLFDO GDPDJH W
KXUULFDQHV VSHFLILFDOO\ WKH   KXUULFDQH VHDVRQ

6 S U L Q J   (Y H Q W V

*LYLQJ 8D\$ V VHFRQG *LYLQJ 'D\ LV VFKHGXOHG IRU)HEU
KRXUV -DJV HYHU\ZKHUH ZLOO XQLWH WR VKRZ WKHLU VXSS
WR DQ DUHD WKDW LV LPSRUWDQW WR WKHP *LIWV RI DOO \
LPPHGLDWH LPSDFW

\$SULO   7KH WK \$QQXDO (QJLQHHULQJ \$OXPQL 6RFLHW\ *R
7UHQW -RQHV *ROI 7UDLO DW 0DJQROLD *URYHV 0RUH LQIRU
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\$SULO   7KH WK \$QQLYHUVDU\ RI WKH &ROOHJH RI (Q
GHWDLOV WR FRPH

0D\   7KH &ROOHJH RI (QJLQHHULQJ \$OXPQL 6RFLHW\ ZLO
6DWXUGD\ 0D\ WK 7KH\ KDYH UHVHUYHG RQH RI WKH GHFN
6WDQN\ 6WDGLXP DQG ZLOO EH VXSSRUWLQJ WKH -DJXDUV D
FRPH

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