



SIMON FRASER UNIVERSITY



SIMON FRASER UNIVERSITY
ENGAGING THE WORLD

LEARNING TOGETHER 2014
Presentation Abstracts

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P50021J"B0"X": 21<?>\$; 54QJ"#0"WRST)Z0"









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A#-B-C*-#."G072@31224"B507?"

"

GHB*#G/*."] 60E"26l@E"1?5@8?\$\$8"28=164\$I<"6l2"961507"4?2"1?6@2072"\$9"; \$l>507"; 54?"
E\$=07"K5@07=6@1?5@8l20"; ?\$<2"?\$%2"@07=672"608"1=@=l2"85992l<"<5705951604@E"9l\$%"4?25l"



4?50>507"608"4?20"4\$"2[3@12"?\$; "4?25I"=082I<4608507<"%57?4"K2"50427I6428"504\$"%2605079=@
4261?507k@26I0507"2[32I52012<0"*?5<"; \$I>"; 6<"K6<28"\$0"4?2"HI545<?"/\$@=%K56"] 505<4IE"\$9"
-8=1645\$0V<"a5I<4"A2\$3@2<"3I50153@2<"\$9"@26I0507"608"4?2"3I2<2042I<"\$07\$507"; \$I>"50"4?2"
<6%2"45%2"9I6%2"; 54?"4?2"+085720\$=<"A2I<32145L2<"*261?2I"-8=1645\$0"] \$8=@2"W+A* -] Z0j 2"
; 5@207672"50"60"5042I6145L2"3=K@1"856@7=2"6K\$=4"4?2"1\$@6K\$I645L2"3I\$12<<="<507"
8\$1=%204645\$0"9I\$%"4?2"<21\$08"542I645\$0"\$9"4?2"1\$=I<2"4\$5@=<4I642"4?2"1?6@2072<"\$9"
KI587507"4?2<2"4; "\$3\$; 2I9=@1=@=I6@36I6857%<"608"@164507"6"<?6I28"<3612"9I\$%"; ?51?"4\$"
%L2"9\$I; 6I80"a506@EJ"; 2"; 5@85<1=<<"4?2"1=I1204"633@1645\$0"\$9"B?5I@2EV<="082I<4608507<"
9I\$%"4?5<"1\$@6K\$I645\$0"50"?2I"; \$I>"6<"6"<152012"4261?2I"64"60"6@42I0642"?57?"<1?\$\$@4?I\$=7?"
6"<1?\$\$@E6I8"76I820"3I\$g2140



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##\$%&' T)"

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+, -. "MA@I5@07=6@50"] \$45\$ON." -0767507"\5L2I<2"/\$%%=05452<I"W3602@3I2<204645\$0Z"

"

A#-B-C* -#B."f=q56"F5607J"n\$51?5": 6<2E6%6J"F507", 5J"#?\$086" -18%60J"F682": "\$

"

" " "dI7605Q2I<k] \$82164\$I<."] 25@60"A@-?@2I4"608", 26002"H\$<1?%60"

"

GHB* #G/*."*?2"A@I5@07=6@50"] \$45\$0"W-?@2I4)")R&J"100"; ; ; 0%=@45@07=6@a\$I=%0\$I7"Z"

3I\$7I6%"3I\$%\$42<"60"\$320"608"%2605079=@1\$%%=051645\$0"9\$I"32\$3@2"9I\$%"85L2I<2"

1\$%%=05452<@- %3@E507"6" -=I\$3260"1\$01234"\$9"3@I5@07=6@<%J"4?5<"50545645L2"2%3?6<5Q2<"

4?2"5%3\$146012"\$9"3I\$%\$450



A#-B-C*-#.] 644?2; "F0"hl=72l_#<<"

GHB*#G/*.*261?2l<"6<"3l\$92<<5\$06@<"608"4261?507"6<"6"3l\$92<<5\$0l"K\$4?"6<"Kl\$68@E"8295028"
6<"3\$<<5K@2l"6l2"l2<3\$0<5K@2"9\$1"11264507"<3612<"; ?2l2"l2@645\$0<?53<"K24; 220"4?2%<2@L2<l"
<4=8204<l"608"4?2"4\$_K2_@26l028"6l2"<=33\$1428"608"0=14=128l"*?2<2"l2@645\$0<?53<"1\$0<454=42"
6"4E32"\$9; \$l@8; 54?50"\$l"6<"@26l0507"20L5l\$0%204<l"<\$%245%2<"l292l128"4\$"6<"K=4"0\$4"
4\$46@E"20163<=@6428"KE"4?2"1=@=12"\$9"6"l@<<l"\$%\$l"G08l2; "a220K2l7l"6"3?5@<\$3?2l"\$9"
42l?0\$@7E"; ?\$"1\$0450=2<"50"4?2"1154516@4l68545\$0"\$9"?5<"%204\$lj": 2lK2l4"] 6l1=<2l"6l7=2<"
4?64": 2582772lV<"3l5%6lE"1\$04l5K=45\$0"4\$"4?2"3?5@<\$3?5l6@4l68545\$0"5<"?5<"=082l<4608507"\$9"
M; \$l@8N"608"M; \$l@8507Nl"] E"65%"; 54?"4?5<"364?"\$9"4?50>507"5<"4\$"82%\$0<4l642"?\$; "4?2"
L6l5\$=<"1\$%3\$l1%204<"426l?2l<"3\$<<2<<l"2%K\$8E"608"6l2"\$992l"1\$0<582l6K@E"%\$l2"3l6l45l6@
633@1645\$0<"9\$l"426l?507"608"@26l0507"L56"6"2?l%202=45l"3?20\$%20\$@7E"504\$"4?2"\$04\$@7E"
\$9"426l?507l"608"=@45%642@E"60"\$04\$@7E"4?64"160"%\$l2"l685l6@E"509@=20l2"28=1645\$0l"
e082l<4608507"4?2"K2507"\$9"426l?507"608"426l?507"6<"; \$l@8507"160"6@-\$"7l\$=08"4?2"
3l\$92<<5\$0"6<"6"3l\$92<<5\$0"4?64"5<"?5?@E"L6@=28"608"82<2lL507"\$9"l2<32l4l] ?64"8\$2<"54"%260"
4\$"K2"6"426l?2l"j ?64"; 6E<"\$9"K2507"7l\$=08"7\$8"426l?507l"*?2<2"6l2"0\$4"m=2<45\$0<"4\$"K2"
60<; 2l28"K=4"m=2<45\$0<"4\$"K2"@L28l"
"

H+d.": =<K608"\$9"al282l5>]"] 644?2; "F0"hl=72l_#<<"5<"6"8\$14\$l16@<4=8204"50"A?5@<\$3?E"\$9"
-8=1645\$0"64"B5%\$0"al6<2l"e05L2l<54E"l"G942l"1\$%3@24507"?5<"HB"50"] 588@DI682<"-8=1645\$0"
9l\$%<"C/"B4642"e05L2l<54E"50"] 6E")) ^"] 644?2; "<423328"504\$"4?2"1@<<l"\$%\$"64"/6l\$@06"
al5208<"B1?\$\$@60"50823208204"n=6>2l"<l?\$\$@50"\=l?6%l"C\$l4?"/6l\$@06l"; ?2l2"?2"46=7?4"
%64?l"%=<5l"608"42l?0\$@7E"50"4?2"%588@<l?\$\$@l"G942l"9\$=l"; \$082l9=@E26l<l"?2"1?<2"4\$"
@26L2"/aB"608"3=l<=2"68L60l28"827l22<"50"28=1645\$06@42l?0\$@7E"l"3?5@<\$3?E"608"1154516@
<4=852<l"0"] 6E") R' l"] 644?2; "1\$%3@2428"?5<"] 6<42l<"\$9"B1520l2"50"+0<4l=145\$06@
*2l?0\$@7E"64"C/"B4642"e05L2l<54E"50"#6@257?l"C\$l4?"/6l\$@06l": 5<"4?2<5<"; 6<"20454@28"
*\$; 6l8"6"Al2@5%506lE"e082l<4608507"\$9"-8=164\$|<l"G<<=%345\$0<"GK\$=4"*2l?0\$@7E."G"/6<2"
B4=8E"] 644?2; V<"l2<26l1?"5042l2<4<"50l@=82"3?5@<\$3?E"\$9"28=1645\$0l"3?5@<\$3?E"\$9"
42l?0\$@7E"4l60<9l%645L2"@26l0507"608"1154516@<4=852<l"
"

*fA-."&^"%50" _"



"

\$0502"4=4\$I"608"<4=8204"4261?2I<"; ?\$"36I45153642"50"4?2"856@\$7=2"K6<28"\$0502"4=4\$I56@160"
@2610"9I\$%"4?2"@2610507"2[32I52012"64"4?2"+08\$02<560"d320"e05L2I<54E"we05L2I<546<"*2IK=>6"



GHB*#G/*.: \$; "8\$"; 2"%224"4?2"=05m=2"@2610507"0228<"\$9"\$=I"85L2I<2"<4=8204"3\$3=645\$0I"
 : \$; "8\$"; 2"4261?"50"; 6E<"4?64"20151?"608"82L2@3"4?2"5%6750645L2"163615452<"\$9"6@
 <4=8204<I"*?2<2"612"6"92; "\$9"4?2"m=2<45\$0<"; 2"64"4?2"+%6750645L2"-8=1645\$0"#2<2611?"DI\$=3"
 W+-#DZ"<22>"4\$"60<; 2I"W; ; ; 62170024"Z0'd=I"L615\$=<"3I\$716%<"9\$1=<"\$0"5%6750645\$0V<"I\$@2"
 50"6@2610507."611I\$<<=<Kg214"%6442I"608"; 54?"6@672<"\$9"<4=8204<0+0"4?5<"3I2<204645\$0"+; 5@
 ?57?67?4"\$02"\$9"\$=I"3I\$716%<."*?2"+%6750645L2"-1\$67516@-8=1645\$0I"\$I+--J"3I\$716%"
 W; ; ; 62170024k522"Z0'+0+--"4?2"65%"5<"0\$4"\$0@E"4\$"207672"<4=8204<I"2%\$45\$0<"608"
 5%6750645\$0<; 54?"4?2"<=Kg214"%6442I"\$9"4?2"1=I151=@%J"K=4"6@<"4\$"207672"4?25I"K\$852<"; 54?"
 4?2"@16@064=I6@608"1=@=I6@1\$042[4<"50"; ?51?"4?2E"7\$"4\$"<1?\$\$@?"*?2"65%"5<"4\$"0=I4=I2"4?2"
 2%\$45\$06@608"5%6750645L2"1\$I2"\$9"21\$67516@=082I<4608507r 4?2"=082I<4608507"\$9"\$02V<"
 5%\$2I<5\$0"50"4?2"064=I6@; \$I@80"*?5<"KI529"<2<<5\$0"82<1I5K2<"60"+--"6145L54E"16@28"
 M, 2610507"50"\234?N"608"4?2"5%3614"54"?6<"?68"\$0"6"7I\$=3"\$9"h5082I76I420"1?5@I20"50"
 B=I12E0'+0", 2610507"50"\234?"+--J"<4=8204<"?6L2"4?2"9I228\$%"608"\$33\$I4=054E"4\$"50L2<457642"
 4\$351<"60>28"4\$"4?2"@16@064=I6@; \$I@8"50823208204@E0"*?2E"6I2"<=33\$I428"50"@2610507"
 6K\$=4"6"<507@2"4\$351"50"8234?"608I"5826@EJ"6<"4?2E"%\$L2"4\$"DI682"R"; 5@?6L2"4?2"1\$0450=28"
 \$33\$I4=054E"4\$"8\$"<\$0", 2610507"50"\234?"\$I", 5\ "W; ; ; 62170024k, 5\ "Z"5<=06>2"\$4?2I"
 M5Om=5IEN"3I\$g214<"\$02"4E3516@E"<22<"50"<1?\$\$@r 4?5<"<2<<5\$0"; 5@50851642"54<=05m=202<<"
 608"54<"3\$420456@9\$I"<=33\$I4507"<4=8204"@2610507"608"1\$002145\$0"; 54?"4?2"@16@064=I6@
 ; \$I@80"
 "

H+d."D5@60"F=8<\$0"5<"6"@214=I2I"64"B5%\$0"aI6<2I"e05L2I<54E"50"HI545<?"/\$@=%K56J"/60686I"608"



"

/6068560"<\$1524E0"*?2"l26<\$0<"K2?508"4?25l"965@=l2"; 54?"9\$1=<"\$0"502m=546K@2"l2@645\$0<"\$9"
3\$; 2l"608"5%675028"1\$%%=05452<"6l2"85<1=<<28"608"<=772<45\$0<"6l2"3l\$L58280""
h2E"; \$l8<."5820454EJ"5%675028"1\$%%=054EJ"3\$<4<4l=14=16@<%"

"

H+d."/=?=0[56\$: 2"5<"6"] 6<42l"<4=8204"64"4?2"e05L2l<54E"\$9"HI545<?"/\$@=%K56J"%6q\$1507"
@607=672"28=1645\$0J"; 54?"9\$1=<"\$9"426l?507"-07@<?"6<"6"<2l\$08"@607=6720"B?2"7\$4"?2l"
H6l?2@l"827l22"50"/?506J"; 54?"%6q\$1"50"+042l0645\$06@#2@645\$0<0"B?2"; \$l>28"6<"60"-07@<?"
426l?2l"50"C2; "dl52046@<1?@\$@"/?506"9\$1"4?l22"E26l<0"

"

] \$?<20"] \$7?6886%"5<"6"7l68=642"<4=8204"<4=8E507"-8=1645\$06@*2l?0\$@7E"608", 26l0507"



H26=8\$50"W)R&Z"3I\$3\$<28"6"02; "9I6%2; \$I>"\$9"1\$70545L2"%21?605<%<="082I@E507"Bd0
aI\$%"4?5<"606@E<5<J"?2"85<1\$L2I28"4?2"3\$<<5K5@4E"\$9"<=32I_<\$%0\$@204"%204645\$00
/\$0<2m=204@EJ"?2"82I5L28"02; "1@<<2<"\$9"1\$70545L2"421?05m=2<"4\$"821I26<2"Bd"@64201EJ"
501@=8507"4?2"1\$70545L2"<?=99@2J"\$9"; ?51?"<2I56@85L2I<2"5%6750507"WB\+Z"5<"6"3I\$%5<507"
<=K1@<<0

+0"4?5<"3I2<204645\$0J"; 2"; 5@6I7=2"\$0"509\$I%645\$0_3I\$12<<507"7I\$=08<"4?64"4?2"1\$70545L2"
<?=99@2"421?05m=2"<?=\$@8"K2"<5705951604@E"%\$I2"2992145L2"4?60"4?2"; 2@2<46K@<?28"
W%\$0\$4\$0\$=<Z"5%672IE"421?05m=2"64"821I26<507"Bd"@64201E"W] \$I50J"RSTTZOj 2"; 5@KI529@E"
82<1I5K2"60"2[32I5%204"K2507"3@60028"4\$"42<4"4?5<"?E3\$4?2<5<"50"60"61682%51"<2445070"*?2"
I2<26I1?"; 5@=45@Q2"%EB@223H=44\$0xJ"6"@260"/\$7B15"G33<"/\$I30"633"82<57028"4\$"W6Z"508=12"
<=32I_<\$%0\$@204"%204645\$0"L56"4?2"1\$70545L2"<?=99@2W501@=8507"B\+Z"608"WKZ"206K@2"<@223"
I2<26I1?2I<"4\$"32I9\$I%"@6I72"<16@2"2[32I5%204<"608"1\$08=14"H57"\646"606@E<2@J 2"; 5@
I2@42"B\+4\$"4?2I"3<E1?@\$7516@421?05m=2<"W%60E"\$9"; ?51?"160"K2"=<28"50"1\$I%K50645\$0"
; 54?"B\+Z"j 2"; 5@85<1=<<4?2"42<46K@2"5%3@1645\$0<"\$9"B\+9\$I"<4=8204<"608"961=@EIV<
1\$70545L2"3I\$8=145L54E0

#292I2012<"

H26=8\$50J", 0A0W")R&ZO"*?2"3\$<<5K5@4E"\$9"<=32I_<\$%0\$@204"%204645\$0."G"02; "509\$I%645\$0_
3I\$12<<507"633I\$61?"4\$"<@23_<\$0<24"6112@I645\$0"608"50<%056"2[2%3@9528"KE"<2I56@85L2I<2"
5%6750507"W] -#A"#23\$I4"C\$0")R&b) &ZO/\$70545L2"AI\$8=145L54E"#2<26I1?"AI\$g214"a61=@E"\$9"
-8=1645\$0J"B5%\$0"aI6<2I"e05L2I<54E0Wc)"30Z"?443.kk<=%%540<9=016k542%kR' Rc&"

: 6I L2EJ"G0D0"X"*607J"C0h0f0W')&ZO! ", #)'7%(F%/+7)"32('/%2+&5("2(&2)*+250#0"*#)+L(!+#(
1%(2%0'(5%'M(E4%&(&=%-)\$)#%(N%7)%1<J"(W&ZJ" &(b' ` '08\$5.R)0R)^&k<%IL0'))' 0' ``"

] \$I50J"/0] 0"X"GQI50J"C0: 0WRSTTZO"H2?6L5\$16@608"1\$70545L2"4I264%204<"\$9"72I564I51"
50<\$%0560"1"32#+4("(!"#034')#, (+#-(!4)#\$+4(805\$/''4", 5J"^^W^ZJ"(cT0

H+d.", =1A0H26=8\$50"5<"60"G8g=014AI\$92<<\$I"\$9"-8=1645\$00": 2"<32I56@Q2<"50"4?2\$IE"608"
633@1645\$0<"\$9"6992145L2"1\$70545L2"<1520120": 5</\$70545L2"AI\$8=145L54E"#2<26I1?"AI\$g214"
9\$1=<2<"\$0"<2@_85I21428"@26I0507"608"%246_2992145L202<<"50">0\$; @2872"; \$I>2I<0": 2"5<"4?2"
6=4?I"\$9"/\$70545L2"AI\$8=145L54E."*?2"G14"608"B152012"\$9"e<507"ho\$; @2872"4\$"H21\$%2"



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##\$%("&)S)"

"

+, -. "j ?64\<"L2"7\$4"4\$8\$"; 54?"54I"/\$09@14J"\5L2I<54E"X"4?2"-08"\$9"4?2"j \$I@8"

"

h-fCd* -." \I0F\$?0"H\$76I8=<"

"

H+dD#GA: f."F\$?0"H\$76I8=<"I2125L28"?5<"] 0G0"50"B\$15\$@7E"9I\$%"4?2"e05L2I<54E"\$9"HI545<?"
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g=<4512"1\$012I0<"; ?5@2"<=112<<5L2@E"2%3@E28"6<"6"<6; %5@608"<422@9\$=08IE"; \$I>2I"95I<4"
658"644208604I"608"j\$=I02E%60"16I32042I0"*I650507"6<"6"3<E1?564I5I"0=I<2"@28"4\$"2[420828"
2%3@E%204"6<"6"E\$=4?"; \$I>2I"50"6"12<5820456@4I264%204"1204I2"608"60"5042I2<4"50"4?2"
3\$; 2I"8E06%51<"50?2I204"50"4?2"3I\$8=145\$0"\$9">0\$; @2872I"4?2"<=Kg214"\$9"?5<"8\$14\$16@4?2<5<"
50"G04?I\$3\$@7E"64"Bae0"7443.kk5I0@K0k9=016k?608@2kRTS' kT(' T0"G"95L2_E26I"50L\$@L2%204"6<"
1\$_1\$185064\$I"608"9615@464\$I"\$9"BaeV"<+0<4I=145\$06@B>5@<"j \$I><?\$3"509\$I%28"M/I264507"60"
+01@=<5L2"/\$%%=054E"\$9"/I54516@+0823208204"*?50>2I<I"6"\$02_86E"; \$I><?\$3"\$0"
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\236I4%204"\$9"B\$15\$@7E"608"G04?I\$3\$@7E"WBGZ"4\$"9615@4642"500\$L645L2"4261?507"3I614512<"
608"4\$"82L2@3"=082I7I68=642"1\$=I<2<"50"K\$4?"85<153@02<0"*?I22"; I54507_50420<5L2"
\$992I507<"r "G04?I\$3\$@7E"608"/\$042%3\$I6IE", 592I"A2I<32145L2<"\$0"/6068560"B\$1524EJ"608"
D@K6@AI\$K@2%<"608"4?2"/=@=I2"\$9"/63546@<%<"r "6I2"6%\$07"4?2"%60E"1\$=I<2<"?2"?6<"
82<570280"] \$I2"I21204@EJ"F\$?0"1\$_82L2@328"4?2"BG"8236I4%204I<"a52@B"4=8E"\$9"0\$0_
7\$L2I0%2046@608"7I6<<I\$4<"\$17605Q645\$0<"50"12<3\$0<2"4\$"<4=8204"82%608"9\$I"1\$%%=054E_
K6<28"@26I05070F\$?0"5<"6"121535204"\$9"4?2")R' "/\$1%61>"G6.2(')0.24535.1.3(1)0%.2(<)0.7I95G624kI11442!



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##\$%&' S)"

"

+, -. "e054E"*?| \$=7?"] =<51"b"*?2"B\$KI6@B1?\$\$@\$9"] =<51"Al \$g214"

"

A#-B-C* -#B."B?6I\$0"j 588\$; <"608"B=<60"dqC25@

