James Marshall Salinas Burns

```
"#$%$$$%&'(')<u>*+,-./0+1.234567.89:,</u>!
!
```

ACADEMIC APPOINTMENTS

&#;;< !! =//7>1469!?-7@9//7-!7@!A,/|>!4:!=@-1>4.4!B6,:19/C!D1.234567.!E.1F9-/16G!
&##'<&#;;! =//1/64.6!?-7@9//7-!7@!A,/|>!4::!=@-1>4.4!B6,:19/C!D1.234567.!E.1F9-/16G!
&###&<&##H!
I1/161.2!J,67-C!K7L:/5163M/!N7LL929C!O7::7.!</pre>

ADMINISTRATIVE EXPERIENCE

&#; &<&#&#! N341-C!P9Q4-659.6!7@!A,/1>C!D1.234567.!E.1F9-/16G!!

EDUCATION

%##'!

*

PUBLICATIONS | monographs

```
C!V = L: 9-/376R! = /32469!? - 9//0!BS = B!A, /1 > 7L72G!/9 - 19/0!\&##(X8!\.>L,:9/!PIP!
:7>, 59.64-G!Y-1669.!4.:!:1-9>69:!+G!639!4,637-8!Z9>91F9:!37.7-4-G!59.617.!07-1639!
f b9614!?-le9!07-!639!+9/6!=0-1>4.!5,/1>4L!963.72-403G!70!&##(8!U4F7-4+LG!-9F19Y9:!+G!
                                                        C!'"R;!V&#;&XR!;WW%;H#j!J-9F7-!
639!@7LL7Y1.2!/>37L4-/R!d7@1!=24Y,C!
1 1229./0!
                       C!;R;!V&#;&XR!; 'W%; '$j!d4639-1.9!B6,@@L9L+945C!
       C!;"!V&#;;Xj!D7:9!S 57*7L4C!
                                                            C! 'HR;!V&#;;XR!&;;%;&j!A99-4!
I 9. b464>34L4 5 C!
                                !: \#(RHW"!V\&\#; \#XR!' \#\$ < kj!B1: -4!O4Y-9.>90!
                                        !kRW!V&##(XR!; "k<$Wj!4.:!?4,L!B34,9-60!
                   !VP9>8!&##(X8!
```

PUBLICATIONS | other academic

!>74,637-9:!69T6+77b!Y163!K4F1.!] 9++!VN72.9LL4C!&#;"X8! !VD1.234567.!E.1F9-/16G!N,/675!?,+L1/31.20!&##(X8! S-121.4L! 5 9637: !+77b!@7-lL94-.1.2!+763!34.: !4.: !/6l>b!:-, 5 51.2C!1.>L,:1.2!9T9->1/9/! 4.:!/9L9>617./!@-75!F4-17,/!K34.414.!:-,5!Q19>9/8!=L/7!>7.641./!639!LG-1>/!@7-!/1T6G! /7.2/!@-75!K34.4!4.:!J727!1.!6391-!7-121.4L!L4.2,429/!4.:!Y163!^.2L1/3!6-4./L4617./8! \.>L,:9/!4.!4,:17!NP!Yl63!5G!7Y.!7-121.4L!-9>7-:1.2/!7@!4LL!639!5,/I>!9T45QL9/!4.:! /7.2/!1.!639!+77b8!

PUBLICATIONS | book chapters

```
aB7,639-.!^Y9!P4.>9%P-,551.28!=.!^63.72-4Q31>!B6,:G!70!?9-07-51.2!A,/1>14./!1.!
       N7.69507-4-G!N7.69T6/Cc!
                 0!9:169:1+G! .1+!B>31009-/!\N4639-1.9!K-4.6!\ST@7-:!E.1F9-/16G!?-9//0!
       &#;"X8!
aJ39! ] 9/6!1/!N7L:R!^TQ9-19.>9/!7@!K34.414.!?9-@7-59-/!1.!^.2L4.:!4.:!639!E.169:!B6469/C !
                                                                       (!9:169:!+G!/1:7-9!
       Sb09Y37!4.:!fb1-,!fe92Y,!VE.1F9-/16G!7@!\.:14.4!?-9//C!&##(X8!
```

PUBLICATIONS | peer reviewed journal articles

```
aN77L1.2!639!Z74:R!J39!-7L9!70!5,/I>!Y1631.!639!/7,639-.!^Y9!0,.9-4L!>9-957.GC1!
                                                                                           C!
       ;$R&!V&#;&XR!; 'k%;"(8!
aP71.2!16!Y163!/6GL9R!4.!963.7Q7961>!/6,:G!7@!15Q-7F1/4617.!1.!^Y9!:4.>9%:-,551.201!
             C!(R;!V&#;;XR!;'H%&#'8!
aZ36635!>!=->396G09/!1.!\./6-,59.64L!A,/|>!@-75!=@-1>4!4.:!639!P14/07-40c!
             C!; "RH!V&#; #X8! J 39!4-61>L9!4.:!4,:17%F1/,4L!9T450L9/!4-9!4F41L4+L9!7.L1.9!46R!
       366QRggYYY8567/5687-2g1//,9/g5678;#8;"8Hg5678;#8;"8H8+,-./8365L8!
```

YKUJB*U*BKT6CKB*[! WCB* | *0(\(\) 0(\(\) + *F/)' \(\) *

 $aAG!A7639-!_4/!4!J9L9F1/17.!P79/!h7,-/i!J-4./@7-54617.!1.!4.!^Y9!U,.9-4L!P-,5!J-4:1617.\\ \complement!\&\#R\&!V\&\#\#'XR!W\#\#\%W;(8!J39!9N75Q4.17.!@7-!5G!4-61>L9!>4.!+9!@7,...!\\ 7.Ll.9!46R!\underline{366QRggYYX87-4L6-4:1617.87-2g9>75Q4.17.g\&\#1lg+,-./8!}$

PUBLICATIONS | works in progress

```
8!PIP!7@!5,/1>!F1:97/!:1-9>69:C!@1L59:C!4.:!9:169:!+G!
                                       n459/!D,-./8!?,+L1/39:!+G!639!A4Y,L1bQL15!2-7,Q!1.!K34.4!V&#;HX8!
                                                                                                                                                           8!PIP!70!5,/1>!F1:97/!:1-9>69:0!01L59:0!4.:!9:169:!+G!n459/!D,-./8!
                                         ?,+L1/39:!+G!639!J/7:959!2-7,Q!1.!K34.4!V&#;HX8!
                                                                                                                                                 PIP!70!5,/1>!F1:97/!:1-9>69:0!01L59:0!4.:!9:169:!+G!n459/!D,-./8!
                                         ?,+L1/39:!+G!639!E.16G!2-7,Q!1.!K34.4!V&#;HX8!
                                                                                                                                                                                             8! P I P!70! 5,/1>!F1:97/!:1-9>69:C!01L59:C!4.:!9:169:!+G!n459/!
                                        D_{1} = \frac{1}{2} \cdot \frac{1}{2
                                        366QRggYYY8G7, 6, +98>75gY46>3iFqQN'%O> ++S^8!
                                                                                                                                                                  8!PIP!70!5,/1>!F1:97/!:1-9>69:0!01L59:0!4.:!9:169:!+G!n459/!
                                        D_{1} = \frac{1}{2} \cdot \frac{1}{2
                                         366QRggYYY8G7, 6, +98>75gY46>3iFq\BG'O._eW9k8!
                                                                                                                                                          8!PIP!:7>, 59.64-G!Q, +L1/39:!+G!BS=B\setminus B!V\&##kX8!!
                                                                                                                                                                                             8!Z9>7-:9:!4.:!Q-7:,>9:!+G!n459/!D,-./8!?,+L1/39:!+G!639!
                                         P, .9.G7!2-7, Q!1.!K34.4!V\&##"X8! \setminus >1, :9/!639!:4.>9/R!=@4!/L7YC!=@4!@4/6C!4.:!=2+4:e48!
                                                                                                                                                                                            8!Z9>7-:9:!4.:!Q-7:,>9:!+G!n459/!D,-./8!?,+L1/39:!+G!639!
                                         = Q9G959! = 2+4 : e4!K-7, Q!1.!K34.4!V\&##"X8! \. > L, :9/!639! : 4.>9/R! = @4C! = bQ7b4C!4.:!
                                         =29/39!1.!639!/9m,9.>9!4.:!/6GL9!70!4.!4>6,4L!0,.9-4L8!
                                                                                                                                                                        8!Z9>7-:9:14.:10-7:,>9:1+G!n459/!D,-./8!?,+L1/39:1+G!639!
                                         = 0.96959!B7., !K-7, 0!1.!K34.4!V\&##"X8! .> L, :9/!639!B7., !:4.>98!
                                                                                                                                                                                                                                                                                                                                    8!Z9>7-:9:!4.:!Q-7:,>9:!+G!n459/!
                                       D,-./8!?,+L1/39:!+G!639!J7-.,!h9F9!B3-1.9!^./95+L9!1.!K34.4!V&##"X8!J31/!1/!4!
                                       >75 QL969!-9>7-:1.2!7@!639!-9Q9-67-G!7@!639!h9F9!/3-1.9!1.>L,:1.2!639!:4.>9/!=272+42+4C!
                                       B72+4:e40!B7F,0!=:-4F,0!=@76,1!4::!Pe96/1348!
PUBLICATIONS | reviews
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            !+G!
1Z9F19YR!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    !$; R&!
                                        n9//9! ] 94F9-!B31QL9G01!
                                       V&#; &X8!
aZ9F19YR!
                                                                                                                                                                                                                                                                                                                                                                          V&##WXC!
                                                                                                                                                                                         !V&##WXj!
```

b,

PRESENTATIONS | selected invited lectures

1J39!31/67-G!4.:!59637:7L7219/!7@!=@-1>4.!-3G635!4.4LG/1/Ce!NEfh!K-4:,469!N9.69-C!&#&;\$!!

 $1 = 2 + 9b7 - !P-, \ 5 \ 5 \ 1.2 \\ 0 !! \ f \ 46 \\ 17 \ .4 \\ L! = > 4 : 9 \ 5 \ G! \\ 70! \\ N3 \\ 1.9 \\ 9! \\ J \ 394 \\ 6-9! = -6 \\ /0! \\ A \ 4-> 3! \\ \&k \\ 0! \\ \&\#; \\ "8!$

 $1 = 0 - 1 > 4 \cdot 1 - 3G635R!69 - 5/C! > 7 \cdot > 9Q6/C!4 \cdot 1! / > 37L4 - /31QC1!$

YKUJB*U*BKT6CKB*[! WCB* | *0 (%%0 (8(+ *F/)' \$*

C!=.:9-/7.!N9.69-!N345+9-!_4LLC!D1.234567.! E.1F9-/16GC!S>67+9-!W;C!&##\$8!BQ7./7-9:!+G!639!P9Q4-659.6/!7@!A,/1>!4.:!=/14.!4.:! =/14.%=59-1>4.!B6,:19/C!639!P94.M/!I1/161.2!BQ94b9-!U,.:C!4.:!639!\.:14.!?9-@7-51.2!

=-6/!B7>196G!7@!D1.234567.8! C! A4.:9L4!-775C!D1.234567.!E.1F9-/16GC!=Q-1L!&'C!&##\$8!

BQ7./7-9:!+G!639!P9Q4-659.6!7@!A,/1>!4.:!639!\.:14.!?9-@7-51.2!=-6/!B7>196G!7@!D1.234567.8!!

C!=.:9-/7.!N9.69-!N345+9-!_4LLC!D1.234567.!E.1F9-/16GC!
B9Q695+9-!;HC!&##"8!BQ7./7-9:!+G!639!P9Q4-659.6/!7@!A,/l>!4.:!=/l4.!4.:!=/l4.%
=59-l>4.!B6,:19/C!639!P94.M/!I1/161.2!BQ94b9-!U,.:C!4.:!639!\.:14.!?9-@7-51.2!=-6/!
B7>196G!7@!D1.234567.8!!!

(!] 4669-/!J39469-C!D1.234567.!E.1F9-/16GC!A4G!;WC!&##"8!BQ7./7-9:!+G!639!P9Q4-659.6! 70!A,/1>!4.:!639!\.:14.!?9-07-51.2!=-6/!B7>196G!70!D1.234567.8!

TEACHING EXPERIENCE | selected Binghamton University

 $!VAEB!;;;g===B!;;;X8!^{-}.>75Q4//9/!Q7Q,L4-!4.:!\\6-4:1617.4L!5,/1>!0-75!\\.:14C!N31.4C!d7-94C!n4Q4.C!\\.:7.9/14C!4.:!639!?31L1QQ1.9/8!\\6!1/!>-7//%L1/69:!Y163!639!P9Q4-659.6!70!=/14.!4.:!=/14.%=59-1>4.!B6,:19/8!J39!>7,-/9C!\\Y31>3!>7.641./!4!/,+/64.614L!Q7-617.!:9F769:!67!\\.:14.!5,/1>C!1/!4L/7!1.>L,:9:!1.!639!\\.9YLG!:9F9L7Q9:!B7,63!=/14.!B6,:19/!6-4>b!Y1631.!639!=/14.!4.:!=/14.%=59-1>4.!\\B6,:19/!54*7-8!!$

!VAEB!;; &g=UBJ!; k#ZgO=NB!

 $; k\#^{X}!07>, /9/!7.!639!31/67-l>4L!4.:!>7.695Q7-4-G!1.69-L1.b429/!+96Y99.!5, /1>!70!\\ =0-l>4C!639!N4-l++94.C!4.:!639!E.169:!B6469/8!\6!1/!1.69-:1/>lQL1.4-GC!4.:!1/!>-7//\L1/69:!\\ Y163!639!P9Q4-659.6!70!=0-l>4.4!B6,:19/!4.:!639!O461.!=59-l>4.!`!N4-l++94.!=-94!\\ B6,:19/!?-72-458!Z9>72.1e1.2!639!/12.10l>4.6!Q-9/9.>9!70!/6,:9.6/!0-75!639/9!>,L6,-4L!\\ +4>b2-7,.:/!46!D1.234567.C!639!>7,-/9!415/!67!>7.69T6,4Lle9!639!5,/l>!6346!639G!2-9Y!\\ ,0!Ll/69.1.2!67!4/501850.20.2(7.6)0.2(9)0.2(T6)0.2-0.258!T67/60.2(/):!..2(7.6).!f6.$

YKUJB*U*BKTGCKB*[! WCB* | *0(%/0(8(+ *F/)' \$*

],

YKUJB*U*BKTGCKB*[!WCB*|*

*

```
!n7/9Q3!U7-:C!a\5164617.C!\.692-4617.C!4.:!A1/Q9->9Q617.R!J39!\.@L,9.>9!7@!f7.%
] 9/69-.!A,/1>!7.!639!A1.154L1/6!4.:!?7/6%A1.154L1/6!] 7-b!7@!O4A7.69!h7,.2C!J9--G!
Z1L9GC!?31L1Q!KL4//C!4.:!B69F9!Z9!>3Cc!D1.234567.C!BQ-1.2!&##"8!!
```

39/\$\\&\#'\@\\+*1.</(+'8.\\$/\#'\D\\$'\E1\\\$\\\$'=(<<\\/\\#\\\$\B=(<?5\\#*'

C!D-966!K4LL7C!a f 7-F1.G7!D7-+7-+7-R!=!B6,:G!70!^Y9:759!P4.>9% P-,551.2!0-75!dQ4.:7C!K34.4Cc!J,06/!E.1F9-/16GC!&#;H%;'8!!

F+&#"*".&9./#'C+&#?#+&#+/'7/9&\\#\$"!

C!U461 5 4!O1F4 . C!aS - 1/34!1 . !N7 . 69 5 Q7-4-G! A 9 : 14C1!D1 . 234 5 67 . !E . 1F9-/16GC! BQ-1 . 2!&#; k8!

C!nl4Y91! A 47C!a = . !963 . 72-4Q31>!/6, : G!7@!>7 . 69 5 Q7-4-G! [1 . !4-6!/7 . 2!Q-4>6!>9Cc! D1 . 234 5 67 . !E . 1F9-/16GC!BQ-1 . 2!&#;\$8!

C!n14Y91! A 47C!a [1.!=-6!B7.2R!_1/67-GC!B1

YKUJB*U*BKT6CKB*[! WCB* | *0(%%)0(8(+ *F/)' \$*

```
C!^:Y1.9!D9-.4-:C!1 J39!_41614.!?7Q,L4-!A,/1>!B>9.9!1.!f9Y!h7-b!N16GCc!D1.234567.C!BQ-1.2!&##(8!
```

C!J759b!Z924L/bl0!1B164-!Q9-@7-54.>9!7@!Z42/!h454.!4.:!D341-41F10c! D1.234567.0!BQ-1.2!&##(8!

 $\complement!A!>43!D4...9-\%D41.90!=.!963.72-4Q31>!/6,:G!7@!639!D1.234567..!A4:-124L!N371-Ce!D1.234567..!BQ-1.2!\&\#\#\$\$!$

F+&#"*".&9./#'8#+/("\$1\\?'!

YKUJB*U*BKTGCKB*[! WCB* | *0(%/0(8(+ *F/)' \$*

REFERENCES |

```
P-8!=..9!^Lle4+963!A>N4LL!
?-7F7/6!^!B9.17-!I l>9!?-7F7/6!70!=>4:95 l>!=004l-/!
r 4F19-!E.1F9-/16G!70!O7,1/14.4!!
45>>4LLOT,L489:,!!
!
P-8!d70!!=24Y,!
P1/61.2,1/39:!?-709//7-C!J39!K-4:,469!N9.69-!
N16G!E.1F9-/16G!70!f9Y!h7-b!
V&;&X!k;$%k'(;!
b424Y,02>8>,.G89:,!!!
!
P-8!d9163!_7Y4-:!
?-709//7-!70!A,/l>!
B>377L!70!S-19.64L!4.:!=0-l>4.!B6,:19/!
b30/74/84>8,b!!
!
```

52