مجلة

بحورى (العلاقات (العامة

لانشرق لالاوسط

EPRA

دورية علمية محكمة تصدر عن الجمعية المصرية للعلاقات العامة - العدد السابع - أبريل/ يونيو ٢٠١٥

ملخصات بحوث بلغات أجنبية:

دراسة فاعلية الشاشات واللافتات الالكترونية في إيصال الرسائل التوعوية لزوار المسجد النبوي الشريف بالمدينة المنورة
 د/ عثمان بن بكر قزاز (جامعة أم القرى) ... ص٩

البحوث العربية:

- قرصنة الكترونية لشبكة تليفزيون فضائية .. أول حادث من نوعه تتعرض له شبكة تليفزيون فضائي
 أد/ انشراح الشال (جامعة القاهرة) ... ص١١
- شبكات التواصل الاجتماعي والحراك السياسي الشعبي دراسة تحليلية لمواقع شبكات التواصل الاجتماعي الخاصة بثورة ٢٠ يناير د/ هالة كمال أحمد نوفل (جامعة جنوب الوادي) ... ص٢١ د/ هالة كمال أحمد نوفل (جامعة جنوب الوادي) ...
- العلاقة بين استخدام الجمهور المصري للصحف الإلكترونية المصرية ومستوي المعرفة بالأزمة اليمنية د/ محمد زين عبد الرحمن (جامعة المنيا) ... ص٩٠
- استخدام الطفل السعودي لمواقع التواصل الاجتماعي والإشباعات المتحققة منها دراسة ميدانية على عينة من الأطفال بمدينة الرياض د/ مها أحمد عبد العظيم عبد الوهاب (جامعة عين شمس) ... ص٥٠٠ د
- دراسة علاقة حجم التعرض للتلفزيون بعوامل الإدمان على المشاهدة لدى طلبة الجامعة والثانوية في الجزائر العاصمة د/ عزيز لعبان (جامعة الجزائر ٣) ... ص١٥٣ د/ عزيز لعبان (جامعة الجزائر ٣) ...
- مصداقية وسائل التواصل الاجتماعي لدي الشباب الجامعي السعودي دراسة ميدانية د/ عبد الله عبد الله محمد الوزان (جامعة الحدود الشمالية) ... ص١٨٧٠

ملخصات الرسائل العلمية:

الأداء الاتصالي للعلاقات العامة في المؤسسات الأمنية وعلاقته بتنمية الوعي بالأمن الداخلي: دراسة تطبيقية على دولة الكويت

محمد مرضى مناور الشمري ... ص٢١٨

أطر معالجة شئون الأقاليم في الصحافة المصرية اليومية واتجاهات الجمهور نحوها: دراسة تطبيقية

سميرة محمد مبروك موسى ... ص٢٢٧

(ISSN 2314-8721) الشبكة القومية للمعلومات العلمية والتكنولوجية (ENSTINET) جميع الحقوق محفوظة ٢٠١٥ @ EPRA

www.epra.org.eg

هيئة النحكيم العلمية للبحوث

أد على السيد عجوة

أستاذ العلاقات العامة المتفرغ والعميد الأسبق لكلية الإعلام جامعة القاهرة

Prof. Dr. Thomas A. Bauer

Professor of Mass Communication at the University of Vienna

أ.د منى سعيد الحديدي أستاذ الإذاعة والتلفزيون المتفرغ بكلية الإعلام - جامعة القاهرة

أد ياس خضير البياتي أستاذ الإعلام بجامعة بغداد ووكيل عميد كلية المعلومات والإعلام والعلوم الإنسانية جامعة عجمان للعلوم والتكنولوجيا

أد انشراح الشال أد الإعلام المنفرغ بكلية الإعلام جامعة القاهرة (دكتوراه الدولة في الآداب والعلوم الإنسانية من فرنسا)

أد حسن عماد مكاوي أد حسن المادة الإعلام جامعة القاهرة المناذ الإذاعة والتلفزيون - عميد كلية الإعلام جامعة القاهرة

أ.د نسمة يونس أستاذ الإذاعة والتلفزيون – كلية الإعلام جامعة القاهرة

أ.د محمد معوض إبراهيم أستاذ الإعلام المتفرغ بجامعة عين شمس والعميد الأسبق لكلية الإعلام بجامعة سيناء

أ. د سامي السيد عبد العزيز المعامة والاتصالات التسويقية المتفرغ - العميد السابق لكلية الإعلام جامعة القاهرة

أ. د عبد الرحمن بن حمود العناد

أستاذ العلاقات العامة والإعلام بقسم الإعلام كلية الأداب - جامعة الملك سعود

أ. د محمود يوسف مصطفى عبده أستاذ العلاقات العامة ووكيل كلية الإعلام لشنون خدمة المجتمع وتتمية البيئة - جامعة القاهرة

أ.د سامي عبد الرؤوف محمد طايع أستاذ ورئيس قسم العلاقات العامة بكلية الإعلام - جامعة القاهرة

أ.د بسيوني إبراهيم حمادة
 أستاذ الإعلام السياسي والرآي العام بكلية الإعلام - جامعة القاهرة
 عميد شعبة الإعلام بالأكاديمية الدولية للهندسة وعلوم الإعلام ٦ اكتوبر

أ.د شريف درويش مصطفى اللبان أستاذ الصحافة – كلية الإعلام جامعة القاهرة

أ.د حسن علي محمد علي أد حسن المناذ الإذاعة والتلفزيون ورئيس قسم الإعلام بكلية الأداب - جامعة المنيا

أ. د عابدين الدردير الشريف أستاذ الإعلام وعميد كلية الأداب والعلوم الإنسانية بجامعة الزيتونة - ليبيا

أد محمود حسن إسماعيل أستاذ ورئيس قسم الإعلام وثقافة الأطفال - معهد الدراسات العليا للطفولة - جامعة عين شمس

أ.د حمدي حسن أبو العينين أستاذ الإعلام وعميد كلية الإعلام والألسن نائب رئيس جامعة مصر الدولية

أ.د عثمان بن محمد العربي أ. المعرفة الملك المعربي أستاذ العلاقات العامة والرئيس السابق لقسم الإعلام بكلية الآداب - جامعة الملك سعود

أد وليد فتح الله مصطفى بركات

أستاذ الإذاعة والتلفزيون - كلية الإعلام جامعة القاهرة

أ.د تحسين منصور رشيد منصور أستاذ العلاقات العامة بكلية الإعلام جامعة اليرموك - الأردن

أ.د محمد عبد الستار البخاري

بروفيسور متفرغ بقسم العلاقات العامة والدعاية، كلية الصحافة، جامعة ميرزة أولوغ بيك القومية الأوزبكية

أد على قسايسية

أستاذ دراسات الجمهور والتشريعات الإعلامية بكلية علوم الإعلام والاتصال - جامعة الجزائر ٣

اً<u>.</u>د رضوان بو جمعة

أستاذ الإعلام بقسم علوم الإعلام والاتصال - جامعة الجزائر





مجلة بحوث العلاقات العامة الشرق الأوسط (JPRR.ME)

دورية علمية محكمة

العدد السابع - أبريل / يونيو ٢٠١٥

مؤسسها

ورئيس مجلس الإدارة

د. حاتم محمد عاطف

رئيس EPRA

رئيس التحرير

أ.د/ على السيد عجوة

أستاذ العلاقات العامة المتفرغ والعميد الأسبق لكلية الإعلام جامعة القاهرة رئيس اللجنة العلمية بـ EPRA

مديـر التحرير

أ.د / محمد معوض إبراهيم

أستاذ الإعلام بجامعة عين شمس والعميد الأسبق لكلية الإعلام جامعة سيناء رئيس اللجنة الاستشارية بـ EPRA

مساعدو التحرير

أ. د/ رزق سعد عبد المعطي

أستاذ العلاقات العامة جامعة مصر الدولية

أ.م.د/ الصادق رابح

أستاذ الإعلام المشارك بالكلية الإماراتية الكندية بالإمارات العربية المتحدة العميد الأسبق لكلية المعلومات والعلاقات العامة بجامعة عجمان

د/ السيد عبد الرحمن على

باحث (مدرس) بمجمع اللغة العربية بالقاهرة

<u>المراسلات</u>

الجمعية المصرية للعلاقات العامة

جمهورية مصر العربية الجيزة - الدقي

بين السرايات - ٢ شارع أحمد الزيات

Mobile: +201141514157 Tel: +2237620818 Www.epra.org.eg Jprr@epra.org.eg

جميع حقوق الطبع محفوظة.

جميع حقوق الطيع والنشر محفوظة للجمعية المصرية للعلاقات العامة

لا يجـوز، دون الحصـول علـى إذن خطـي مـن الناشـر، اسـتخدام أي مـن المـواد التـي تتضـمنها هـذه المجلـة، أو استنسـاخها أو نقلهـا، كليـا أو جزئيـا، فـي أي شـكل وبـأي وسـيلة، سـواء بطريقـة إلكترونيـة أو آليـة، بمـا فـي ذلـك الاستنسـاخ الفوتـوغرافي، أو التسـجيل أو اسـتخدام أي نظـام مـن نظـم تخـزين المعلومـات واسـترجاعها، وتطبـق جميـع الشـروط والأحكـام والقـوانين الدوليـة فيمـا يتعلـق بانتهـاك حقـوق النشــر والطبـع للنســخة المطبوعــة أو الإلكترونيـة.

الترقيم الدولى للنسخة المطبوعة (ISSN 2314-8721)

الترقيم الدولى للنسخة الإلكترونية (ISSN 2314-8723X)

ولتقديم طلب الحصول على هذا الإذن والمزيد من الاستفسـارات، يرجـى الاتصـال بـرئيس مجلـس إدارة الجمعية المصرية للعلاقات العامة على العنوان التالي:

EPRA Publications

Egyptian Public Relations Association, Giza, Egypt Dokki, Ben Elsarayat -2 Ahmed Elzayat St.

بريد إلكتروني: chairman@epra.org.eg - iprr@epra.org.eg

موقع ویب: www.epra.org.eg

الهاتف : 818- 20-376-20 (+2) 0114 -151 - 11- 14- 157 - (+2) 0114 -157 - 14- 157 - 14- 157 - 14- 157

مجلة بحوث العلاقات العامة الشرق الأوسط

Journal of Public Relations Research Middle East

التعريف بالمجلة:

مجلة بحوث العلاقات العامة الشرق الأوسط دورية علمية تنشر أبحاثاً متخصصة في العلاقات العامة وعلوم الإعلام والاتصال، بعد أن تقوم بتحكيم هذه الأبحاث من قبل عدد من الأساتذة المتخصصين في نفس المجال، وهي تابعة للجمعية المصرية للعلاقات العامة أول جمعية علمية مصرية متخصصة في العلاقات العامة.

- المجلة معتمدة ولها ترقيم دولى ومصنفة دولياً لنسختها المطبوعة والإلكترونية من أكاديمية البحث العلمى والتكنولوجيا
 بالقاهرة، ومصنفة من لجنة الترقيات العلمية تخصص الإعلام بالمجلس الأعلى للجامعات في مصر.
 - المجلة فصلية تصدر كل ثلاثة أشهر خلال العام.
 - تُقبل المجلة نشر عروض الكتب والمؤتمرات وورش العمل والأحداث العلمية العربية والدولية.
 - تُقبل المجلة نشر إعلانات عن محركات بحث علمية أو دور نشر عربية أو أجنبية وفقاً لشروط خاصة يلتزم بها المعلن.
 - يُقبل نشر البحوث الخاصة بالترقيات العلمية وللباحثين المتقدمين لمناقشة رسائل الماجستير والدكتوراه.
- يُقبل نشر ملخصات الرسائل العلمية التى نوقشت، ويُقبل نشر عروض الكتب العلمية المتخصصة في العلاقات العامة
 والإعلام كذلك المقالات العلمية المتخصصة من أساتذة التخصص من أعضاء هيئة التدريس.

قواعد النشر:

- أن يكون البحث أصيلاً ولم يسبق نشره.
- تقبل البحوث باللغات: (العربية الإنجليزية الفرنسية) على أن يكتب ملخص باللغة الإنجليزية للبحث في حدود صفحة واحدة إذا كان مكتوب باللغة العربية.
- أن يكون البحث في إطار الموضوعات التي تهتم بها المجلة في العلاقات العامة والإعلام والاتصالات التسويقية المتكاملة.
- تخضع البحوث العلمية المقدمة للمجلة للتحكيم ما لم تكون البحوث قد تم تقييمها من قبل اللجان والمجالس العلمية بالجهات الأكاديية المعترف بها أو كانت جزءاً من رسالة أكاديمية نوقشت وتم منح صاحبها الدرجة العلمية.
- يراعى اتباع الأسس العلمية الصحيحة في كتابة البحث العلمى ومراجعه ويراعى الكتابة ببنط (١٤) Simplified Arabic والعناوين الرئيسية والفرعية Bold.
- يتم رصد المراجع في نهاية البحث وفقاً للمنهجية العلمية بأسلوب متسلسل وفقاً للإشارة إلى المرجع في متن البحث وفقا لطريقة APA الأمريكية.
- يقدم الباحث عدد (۲) نسخ مطبوعة من البحث ونسخة إلكترونية على CD مكتوبة بصيغة Word مصحوبة بسيرة ذاتية مختصره عنه.
- في حالة قبول البحث للنشر بالمجلة يتم إخطار الباحث بخطاب رسمى بقبول البحث للنشر. أما في حالة عدم قبول البحث للنشر فيتم إخطار الباحث بخطاب رسمى وإرسال جزء من رسوم نشر البحث له في أسرع وقت.
- إذا تطلب البحث إجراء تعديلاً بسيطاً فيلتزم الباحث بإعادة إرسال البحث معدلاً خلال أسبوع من استلام ملاحظات التعديل وإذا حدث تأخير منه فسيتم تأجيل نشر البحث للعدد التالى أما إذا كان التعديل جذرياً فيرسله الباحث بعد ١٥ يوم من إرسال الملاحظات له.

- قيمة نشر البحث ٨٥٠ جنيه مصرى للمصريين من داخل مصر وللمصريين المقيمين بالخارج والأجانب ٤٥٠\$.
- يتم رد مبلغ ٢٥٠ جنيه للباحثين من داخل مصر ورد مبلغ ١٣٠ \$ للباحثين المصريين المقيمين بالخارج والأجانب في حالة رفض هيئة التحكيم البحث وإقرارهم بعدم صلاحيته للنشر بالمجلة.
- لا يزيد عدد صفحات البحث عن (٣٥) صفحة A4- في حالة الزيادة تحتسب الصفحة بـ ٢٠ جنيه مصرى للمصريين داخل مصر وللمقيمين بالخارج والأجانب ٥ \$.
- يتم تقديم خصم خاص من قيمة النشر العلمى لعضوية زمالة الجمعية المصرية للعلاقات العامة من المصريين والجنسيات الأخرى بنسبة ١٠% ولأى عدد من المرات خلال العام.
 - يُرسل للباحث عدد (٣) نسخة من المجلة بعد نشر بحثه، وعدد (٣) مستلة من البحث الخاص به.
 - ملخص رسالة علمية (ماجستير) ٢٥٠ للمصريين ولغير المصريين ١٥٠\$.
 - ملخص رسالة علمية (الدكتوراه) ٣٥٠ جنيه للمصريين ولغير المصريين ١٨٠\$. على أن لا يزيد ملخص الرسالة عن ٨ صفحات. ويتم تقديم خصم ١٠% لمن يشترك في عضوية الجمعية المصرية للعلاقات العامة . ويتم إرسال عدد (٣) نسخ من المجلة بعد النشر للباحث على عنوانه بالبريد الدولي.
 - نشر عرض كتاب للمصريين ٧٠٠ جنيه ولغير المصريين ٣٠٠\$
 - يتم إرسال عدد (٣) نسخ من المجلة بعد النشر لصاحب الكتاب على عنوانه بالبريد الدولى السريع. ويتم تقديم خصم ١٠% لمن يشترك في عضوية زمالة الجمعية المصرية للعلاقات العامة .
- بالنسبة لنشر عروض تنظيم ورش العمل والندوات من داخل مصر ٦٠٠ جنيه ومن خارج مصر ٣٥٠\$. بدون حد أقصى لعدد الصفحات.
- بالنسبة لنشر عروض المؤتمرات الدولية من داخل مصر ٨٥٠ جنيه ومن خارج مصر ٤٥٠\$ بدون حد أقصى لعدد الصفحات.
 - جميع الآراء والنتائج البحثية تعبر عن أصحاب البحوث المقدمة وليس للجمعية المصرية للعلاقات العامة أي دخل بها.
- ترسل المشاركات باسم رئيس مجلس إدارة المجلة على عنوان الجمعية المصرية للعلاقات العامة جمهورية مصر العربية و jprr@epra.org.eg ، الجيزة الدقى بين السرايات ٢ شارع أحمد الزيات، والإميل المعتمد من الجمعية dr_hatematef2000@yahoo.com بعد تسديد قيمة وارسال صورة الإيصال التي تفيد ذلك.

الافتتاحية

تتواصل صدور أعداد المجلة بانتظام منذ بداية إصدارها في أكتوبر/ ديسمبر من العام ٢٠١٣ - ليصدر منها ستة أعداد متتابعة تضم أبحاثًا ورؤى علمية متعددة الأساتذة ومتخصصين وباحثين من مختلف دول العالم.

والآن نقدم للباحثين في الدراسات الإعلامية والمهتمين بهذا المجال العدد السابع من المجلة وهو يتضمن بحوثًا ورؤى علمية للأساتذة والأساتذة المساعدين والمدرسين وملخصات لرسائل علمية نُوقشت في أقسام وكليات الإعلام بالجامعات العربية المختلفة.

وباعتراف اللجنة العلمية (تخصص الإعلام) لترقية أعضاء هيئة التدريس إلى أساتذة وأساتذة مساعدين بالمجلة بعد أن اطلعت على العدد الأول وتم تقييمها بنفس درجة المجلات العلمية لأقسام الإعلام في الجامعات المصرية؛ أتاحت مجلة بحوث العلاقات العامة الشرق الأوسط الفرصة للنشر العلمي بها كنافذة جديدة لنشر بحوث طلبة وطالبات مرحلة الدكتوراه – ولبحوث أعضاء هيئة التدريس الراغبين في التقدم للترقي لدرجتي أستاذ مساعد وأستاذ. ولكونها أول دورية علمية محكمة في بحوث العلاقات العامة بالوطن العربي والشرق الأوسط. وجد الأساتذة الراغبون في تقديم انتاجهم للمجتمع العلمي بكافة مستوياته الفرصة للنشر على نطاق العالم العربي وبعض الدول الأجنبية التي تصل إليها المجلة من خلال مندوبيها في هذه الدول، وأيضًا من خلال موقعها الإلكتروني.

ففي البداية نجد مشاركة لأحد كبار أساتذة الإعلام بالعالم العربي أ.د/ انشراح الشال من (مصر) عن: " قرصنة إلكترونية لشبكة تليفزيون فضائية .. أول حادث من نوعه تتعرض له شبكة تليفزيون فضائي"، أما الدراسات الأجنبية في هذا العدد فكانت دراسة وحيدة باللغة الإنجليزية قدمها الدكتور د.عثمان بن بكر قزاز من (المملكة العربية السعودية) تناولت: "دراسة فاعلية الشاشات واللافتات الالكترونية في إيصال الرسائل التوعوية لزوار المسجد النبوي الشريف بالمدينة المنورة "، كما يتضمن العدد بحوثًا مقدمة للنشر العلمي بهدف تكوين رصيد للباحثين من شباب أعضاء هيئة التدريس للتقدم للترقية منهم: د. هالة كمال احمد نوفل (مصر) والتي قدمت دراسة بعنوان: " شبكات التواصل الاجتماعي والحراك السياسي الشعبي دراسة تحليلية لمواقع شبكات التواصل الاجتماعي الخاصة بثورة ٢٥ يناير"، وقدم د. محمد زين عبد الرحمن من (مصر) دراسة حول موضوع: " العلاقة بين استخدام الجمهور المصري للصحف الإلكترونية المصرية ومستوى المعرفة بالأزمة اليمنية "، أما د. مها أحمد عبد العظيم عبد الوهاب (مصر) شاركت بدراسة في موضوع: " استخدام الطفل السعودي لمواقع التواصل الاجتماعي والإشباعات المتحققة منها دراسة ميدانية على عينة من الأطفال بمدينة الرياض"، ومن دولة (الجزائر) شارك د. عزيز لعبان بدراسة حول: "دراسة علاقة حجم التعرض للتلفزيون بعوامل الإدمان على المشاهدة لدى طلبة الجامعة والثانوية في الجزائر العاصمة"، أما د. عبد الله محمد عبد الله الوزان (مصر) فقدم ورقة علمية حول: "مصداقية وسائل التواصل الاجتماعي لدي الشباب الجامعي السعودي دراسة ميدانية". وللاستفادة من الرسائل العلمية تقدم الباحث محمد مرضى مناور الشمري من دولة (الكويت) لنشر ملخص دراسته للدكتوراه بعنوان: "الأداء الاتصالي للعلاقات العامة في المؤسسات الأمنية وعلاقته بتنمية الوعي بالأمن الداخلي: دراسة تطبيقية على دولة الكويت"، كذلك تقدمت الباحثة سميرة محمد مبروك موسى من (مصر) لنشر ملخص دراستها للماجستير بعنوان: " أطر معالجة شئون الأقاليم في الصحافة المصرية اليومية واتجاهات الجمهور نحوها: دراسة تطبيقية ".

وهكذا فإن المجلة ترحب بالنشر فيها لمختلف الأجيال العلمية من جميع الدول جيل الأساتذة وبحوثهم لا تخضع للتحكيم طبقا للقواعد المتبعة للنشر العلمي في المجلات العلمية. أما البحوث المنشورة لأعضاء هيئة التدريس الراغبين في التقدم للترقية للدرجة الأعلى والطلاب المسجلين لدرجة الدكتوراه فتخضع جميعها للتحكيم من قبل الأساتذة المتخصصين.

وجميع هذه البحوث والأوراق العلمية تعبر عن أصحابها دون تدخل من هيئة تحرير المجلة التى تحدد المحكمين وتقدم ملاحظاتهم إلى أصحاب البحوث الخاضعة للتحكيم لمراجعة التعديلات العلمية قبل النشر.

ندعو الله أن يوفقنا لإثراء النشر العلمى فى تخصص العلاقات العامة بشكل خاص والدراسات الإعلامية بشكل عام.

رئيس تحرير المجلة أ.د/ علي عجوة

دراسة فاعلية الشاشات واللافتات الالكترونية في إيصال الرسائل التوعوية لزوار المسجد النبوي الشريف بالمدينة المنورة

إعداد

د/ عثمان بن بكر عثمان قزاز (*)

^(*) أستاذ الإعلام المساعد – رئيس قسم البحوث والشئون الإعلامية بمعهد خادم الحرمين الشريفين لأبحاث الحج والعمرة – جامعة أم القرى.

دراسة فاعلية الشاشات واللافتات الالكترونية في إيصال الرسائل التوعوية لزوار المسجد النبوي الشريف بالمدينة المنورة

د/ عثمان بن بکر عثمان قزاز جامعة أم القرى

ملخص الدراسة:

تعد اللافتات الرقمية أداة مهمة في نشر الرسائل الخدمية العامة للجمهور المستهدف في المواقع المزدحمة وتعد خاصيتا الشيوع التكرار اللتان تتميز بهما اللوحات الالكترونية في كل العالم دليلاً على فعاليتها في نقل الرسائل الاعلامية ولذلك حرصت حكومة المملكة العربية السعودية على استخدامها في المنطقة المركزية المحيطة بالمسجد النبوي الشريف.

وهذه اللافتات الالكترونية تنقل بشكل رئيسي إعلانات الخدمات العامة المقدمة من رئاسة شؤون السجد النبوي كما تظهر بعض الأحاديث النبوية التي تساعد في التخفيف من الظواهر السلبية والأخطاء الشائعة لدى زوار المسجد النبوي.

وتعد فرضية فعالية هذه اللوحات الالكترونية فرضية مقبولة رغم ان الدراسة ركزت على ضرورة وجود اشتراطات ومعايير لاستخدام هذه اللوحات لفعالية أكبر في مجال توعية وتثقيف زوار مدينة المصطفى صلى الله عليه وسلم مثل عدد المواقع واختيارها بشكل صحيح ، حجم هذه اللوحات وارتفاعها، محتوى الرسالة وتصميم وإخراج شكلها النهائي اضافة الى ضرورة وجود علاقات عامة وتنسيق مع الجهات المختلفة لتفادي التكرار والازدواجية في مضمون الرسائل.

ولقد استخدم الباحث في هذه الدراسة أسلوب المسح بالعينة العشوائية وباللغتين العربية والإنجليزية للزوار الذين يرتادون بوابة الملك فهد وباب السلام بالمسجد النبوي من خلال إعداد استبانة محكمة ذات أسئلة مفتوحة ومغلقة لفحص حجم استخدام الزوار لهذه اللوحات الالكترونية ومدى تذكر محتوى الرسائل التي تعرض فيها لقياس مدى فعاليتها.





						•••••			
27	Cell phones are a useful source of getting or giving help in problem situations. How often do you talk to each of the following for problems through cell-phones? (Interviewer explain that here talking means getting or giving help not just exchanging pleasantries or hello, hi type of calls.) You talk through cell phones about problems for information and help:								
	To friends & family within the Kingdom and or co-pilgrims		1. Never	2. Sometime	3. Ofte	en 9	- DK		
	To tour operator/private agent		1. Never	2. Sometime	3. Ofte	en 9	- DK		
	To Saudi govt. officials/agencies		1. Never	2. Sometime	3. Oft	en 9	- DK		
	To any other source. (Pl. specify)	1. Never	2. Sometime	3. Oft	en 9	- DK		
28	SMS messages are sent to cell pho guidance for pilgrims how often d			arrying usefu	ıl inform	ation an	d		
	1. Never 2. Sometime	3 Ofte	n 4.	Very Often	Ć	9. DK			
29	How often do you read them?								
	1. Never 2. Sometime	3 Ofte	n 4.	Very Often	Ç	9. DK			
30	How helpful are these messages	?							
	1. Not helpful 2. Helpful		3. Very h	elpful	9	DK			
31	If you find them unhelpful, why do you say so?								
32	How much satisfied do you think services provided. For each of the satisfied nor dissatisfied, dissatisfied or officials. (Interviewer ask the numbers)	e followin ied, or ver	g tell me if y dissatisfi	you are very led with each	satisfie of the fe	d, satisfi ollowing	ied, ne g ageno		
	Items	Very Dissatisfied	Dissatisfied	Neither Satisfied nor Dissatisfied	Satisfied	Very Satisfied	No Answer		
	How much satisfied are your with the overall efforts of the Saudi govt. for the pilgrims	1	2	3	4	5	9		
	Behavior of tour operators or agents	1	2	3	4	5	9		
	Saudi Immigration services	1	2	3	4	5	9		
	Law & order agencies	1	2	3	4	5	9		
			,						

1. Never 2. Sometime 3 Often 4. Very Often 9. DK	
How much helpful these Screens were in providing you with useful information: 1. Not at all helpful 2. Helpful 3. Very helpful 9. DK	
Can you name places where you think these TV/ digital screens are needed most:	
What changes to these TV screens, if any, do you want made? (Interviewer exp changes in terms of location, size, information content, or the manner in who messages are scrolled/flashed, and record the answer)	lain the nich the
Can you recall any message from the LED/ digital screen in full or in part?	
I say a word or a phrase from the Screen's messages Can you recall anything about the messages? 1- Water 2- Children 3- Pathways in the Haram area. 4- Masjid's Gate numbers/names 5- Carrying your belongings	
	How much helpful these Screens were in providing you with useful information: 1. Not at all helpful 2. Helpful 3. Very helpful 9. DK Can you name places where you think these TV/ digital screens are needed most: What changes to these TV screens, if any, do you want made? (Interviewer expendanges in terms of location, size, information content, or the manner in whee messages are scrolled/flashed, and record the answer) Can you recall any message from the LED/ digital screen in full or in part? I say a word or a phrase from the Screen's messages Can you recall anything about the messages? I water

JPRR.ME No.7





4.4	F-11	41	11	CONTRACTOR OF THE CONTRACTOR		No. of Concession, Name of Street, or other Designation, or other		
11	Control of the contro							
	or give information or help) about any							
	during their Hajj/Omrah sojourn. Tell us how often do you use each of the following							
	for information Would you say you use each of these never, sometime or often to							
	communicate about the problems? (Read out the items to the respondent and							
	circle the number of the response.)	1 - N	- C .:	- 00				
	Use the Saudi mass media system	1- Never	2- Sometime	3- Often	9- DK			
	like newspaper, TV, and radio etc.	. N	- 0	- 00				
	Use the Digital screens & signboards	1- Never	2- Sometime	3- Often	9- DK			
		1 Marian	2- Sometime	2 Ofton	0. 70.1/			
	Talk to tour operator/private agent	1- Never	2- Sometime	3- Often	9- DK			
	300	1- Never	2- Sometime	3- Often	0. DV			
	Go to information counters in the area	1- Nevel	2- Sometime	3- Often	9- DK			
		1- Never	2- Sometime	3- Often	9- DK			
	Talk to friends, family, co-pilgrims	1- INCVCI	2- Sometime	3- Officia	9- DK			
		1- Never	2- Sometime	3- Often	9- DK			
	Talk to govt. officials/agencies	1- NOVEL	2- 50memme	3- Often	9- DK			
	Any other source. (Pl. specify)	1- Never	2- Sometime	3- Often	9- DK			
	Any other source. (11. speeny)	1- Nevel	2- Sometime	3- Often	9- DK			
				ASSESSED OF STREET	-			
12	There are Dars sessions in the Prophet (I	PRIIH) Mose	we How often d	a vou attend	these Dars	eaccione 2		
		180				SCSSIOIIS :		
	1- Never 2- Sometime	3- Often	4- Very of	ten g	- DK			
13	If you do not attend, why do you not atte	end these Da	ars?					
14	Are there any Dars sessions in the Proph	net (PBUH)	Mosque in you	r own lang	guage?			
	1. Ye		2. No	9. DK				
				J. DIX				
15	V 1							
	1. Never 2. Sometime 3. 0	Often	4. Very Often	9.	DK			
					TENT YES THE WEST OF			
-					SOURCE SOURCE STREET	400000000000000000000000000000000000000		
16	Have you seen digital screen/billboard in thi	is area?						
	1. Yes 2. No 9.	DK						
						THE RESERVE OF THE PERSON NAMED IN		
17	When you are in this area or reas the	h it was a		- 19-8-8X	Vertex (1881)			
17	When you are in this area or pass throug	Usually with		9. DK		1_		
	1 Llavally along 2		n omers	9. DN				
	1. Usually alone 2.	Osually with	ar outers.					
	1. Usually alone 2.	——————————————————————————————————————						
18	When you are in this area, how often do	you look at	the screens and	d/or the me	essages?			
18		you look at		d/or the me	essages? DK			
18	When you are in this area, how often do	you look at	the screens and	d/or the me				
18	When you are in this area, how often do 1. Never 2. Sometime 3.	you look at Often	the screens and 4. Very Often	d/or the me 9.	DK			
	When you are in this area, how often do 1. Never 2. Sometime 3. When you look at the TV/LED screen	you look at Often messages ro	the screens and 4. Very Often	d/or the me 9.	DK	at them		
18	When you are in this area, how often do 1. Never 2. Sometime 3. When you look at the TV/LED screen (Interviewer press for response in second	you look at Often messages rods or minute	the screens and 4. Very Often oughly for hoves):	d/or the me 9.	DK	at them		
	When you are in this area, how often do 1. Never 2. Sometime 3. When you look at the TV/LED screen (Interviewer press for response in second	you look at Often messages ro	the screens and 4. Very Often oughly for hoves):	d/or the me 9.	DK	at them		
	When you are in this area, how often do 1. Never 2. Sometime 3. When you look at the TV/LED screen (Interviewer press for response in second	you look at Often messages rods or minute	the screens and 4. Very Often oughly for hoves):	d/or the me 9.	DK	at them		
19	When you are in this area, how often do 1. Never 2. Sometime 3. When you look at the TV/LED screen (Interviewer press for response in second	you look at Often messages rods or minute Seconds	the screens and 4. Very Often oughly for hoves):	d/or the me 9. v long do	DK	at them		

مات مدر	دراسة قياس استخدام وتلقى المعتمرين للتوعية من خلال الشااش الاليكترونية فى المنطقة المركزية بالمدينة المنورة كمص معلومات	جامعة ام القرى عرمين الشريفين لابحاث الحج والعمرة	معهد خادم الد
CAS	SE NUMBER: (AREA)_	
NUI	MBER OF THE INTERVIEWER:		
DAT	TE OF THE INTERVIEW: ().2013		
01	Your nationality?	()	
02	How old are you?	() years old	
03	Marital status:	1. Married 2. Single	
04	Any of your family members with you?	1. Yes 2. No	
05	Are you performing Omrah as a group?	1. Yes 2. No	
06	Did you perform Omrah during Ramadan before?	1. Yes 2. No	
07	Education:(Circle the number for the response)	 Did not go to school Matric or less Higher Secondary. Bachelor Master or above Others 	
08	Did you personally or people around you f for Omrah that bothered you or created dif people around? Pl. name as many problen problems in the space provided)	ficulties or complications for you per	sonally or
09	Of these, which ones would you say are that attention of the authorities (Interviewer reby the respondent):		
	I		
10	Thinking about all of the ways of communicat situations, pl. name two most important sourc in case of a problem. (Interviewer list the nathe space provided).	es that you turned to for information and	help







Table 8

Correlation Coefficients of Unaided Recall with Screen Usage*

7th Zero 5t Order **Order** Order Order Order Order Order Order .32 .31 .30 .30 .28 .10 .04 .04 (63)(62) (61)(60)(59) (54) (50) (49)

Table 9

Correlation Coefficients of Aided Recall with Screen Usage

Screen Usage

Zero Order	1 st Order	2 nd Order	3 ^r Order	4 th Order	5t Order	6 th Order	7 th Order
.27	.24	.24	.24	.34	.22	.13	.13
(130)	(128)	(127)	(126)	(125)	(104)	(95)	(94)

^{*}Figures in parentheses are degrees of freedoms of Pearson's r. The partial coefficients control for exposure, age, education, pilgrim group, interaction, perceived usefulness, and frequenting status respectively in that order.

Screen Usage

^{*}Figures in parentheses are degrees of freedoms of Pearson's r. The partial coefficients control for exposure, age, education, pilgrim group, interaction, perceived usefulness, and frequenting status respectively in that order.





Table 7*

Zero-order Correlations between Predictor & Criterion Variables

	Variables ►	1	2	3	4	5	6	7	8	9	10
1.	Exposure Frequency	1 144									
2.	Unaided Recall	.19 (67)	1 69								
3.	Aided Recall	.30 (131)	.43 (67)	1 140							
4.	Age	03 (144)	15 (69)	14 (140)	1 176						
5.	Educ.	.02 (144)	.29 (69)	14 (140)	19 (176)	1 176					
6.	Pilgrim Groups	13 (144)	14 (69)	.11 (140)	10 (176)	06 (176)	1 176				
7.	Interaction	.12 (117)	.34 (61)	.22 (111)	08 (118)	07 (118)	31 (118)	1 118			
8.	Usefulness	06 (111)	.31 (58)	.34 (105)	02 (111)	.32 (111)	17 (111)	.15 (104)	1 111		
9.	Frequenting Status	.12 (144)	.03 (69)	05 (139)	.15 (169)	03 (169)	24 (169)	.10 (118)	01 (111)	1 169	
10.	Screen Usage in Problems	.15 (133)	.32 (65)	.27 (132)	07 (164)	.03 (164)	42 (164)	.68 (112)	.33 (103)	.05 (157)	1 164
	Mean	2.16	1.87	.88	43.21	2.70	1.28	1.54	2.17	1.64	1.34
	Sd.	.75	.68	1.03	11.27	1.25	.45	.65	.50	.48	.47

The 7th order partial correlation between Exp. - frequency and the unaided and the aided Recall respectively were (.18) & (.36) after the effects of Age, Educ., Pilgrim Group, Interaction, Usefulness, frequenting status, & Screen usage in difficulty were partialled out.

The 7th order partial coefficient between screen usage in problems and the un-aided and the aided recall respectively were (.04) & (.13) after the effects of Age, Educ., Pilgrim Group, Interaction, Usefulness, frequenting status, & frequency of exposure were partialled out

^{**}Figures in parenthesis are pairwise Ns.

Table 6
Unaided Message Recall by Exposure by Groups

Pilgrim Groups

Urdu-Speaking

Arab Pilgrims

Exposure

		No Exp. %	Some/frequent Exp. %	No Exp. %	Some/frequent Exp. %
Recall	No Recall	100.0	33.3	100.0	22.2
Recall					
	Some Recall	0.0	66.7	0.0	77.8
	Total (N)	100.0 (1)	100.0 (21)	100.0 (5)	100.0 (45)

Goodman-Kruskal's Tau:

(.19)

(.26)





Table 5 Unaided Message Recall by Exposure to the Screens

Exposure

		No Exposure %	Some Exposure %	
	No Recall	100.0	25.8	
Recall	Some Recall	0.0	74.2	
	N	100.0(6)	100.0(66)	

Goodman-Kruskal's tau= .19

Table 3

Unaided Recall of the Messages

Pilgrims who recalled	Percent	N
Nothing from the screens	32.4	74
	(63.7)	(113)
Some message from the screen	50.0	74
	(30.1)	(113)
One complete sentence from the screen	17.6	74
	(6.2)	(113)

Note: Figures in the parentheses belong to the previous scrolling boards study

Table 4

Aided Recall of the Messages

Pilgrims who correctly recalled	Percent	N
Nothing	45.0	140
One message	30.7	140
Two messages	20.0	140
Three to five messages	4.3	140





Table 2

Pilgrims' perceptions about the effectiveness of EBBs

Frequency Distribution of the Pilgrims' Perceptions	Percent	N
Perceived the screens as helpful	94.6	111
	(70.3)	(121)
Proposed at least one new location	67.6	176
	(54.0)	(175)
On Streets to Al-Haram	19.3	127
	(23.5)	(129)
Near the Haram Gates	67.0	127
	(20.2)	(129)
At least one structural change to the EBBs	56.8	100
	(62.0)	(175)
Changes in: location, size, number, format (a maximum of	64.0	100
two responses)	(49.0)	(143)
Increase number of screens	24.0	100
	(23.0)	(143)
Increase the size	31.0	100
	(20.0)	(143)
Change the presentation format	5.0	100
	(4.0)	(143)
Increase the practical relevance of the content	13.0	100
	(8.4)	(143)
Increase the religious content	1.0	100
	(3.0)	(143)
Include other languages	24.0	100
	(37.8)	(143)

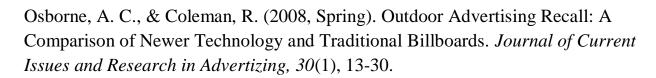
Table 1 Pilgrims' use of the billboards & the context of exposure

Pilgrims who	Percent	N
Looking at the screen sometime/often while in the	67.6	176
area	(77.8)	(122)
Use the screens sometime/often in difficulty	33.3	164
	(43.6)	(170)
Cited billboards as one of top two sources	4.8	124
	(11.4)**	(175)
Are usually alone while frequenting the area	35.5	169
	(30.3)	(175)
Never talk about the EBBs messages with others	54.2	118
	(67.5)	(154)

^{*}Figures within parentheses pertain to billboard study of Masjid al-Haram Shareef.

**These pertain to top three sources hence not comparable.





Raymond, J. (2003). When the Mind Blinks: Attentional Limitations to the Perception of Sequential Visual Images. In L. M. Scott, & R. Batra (Eds.), *Persuasive Imagery: A Consumer Response Perspective* (pp. 59-74). Mahwah, NJ: Lawrence Erlbaum Associates.

Riebe, E., & Dawes, J. (2006, January). Recall of Radio Advertizing in High and Low Clutter Formts. *International Journal of Advertizing*, 25, 70-86.

References

Bigsby, E., & Monahan, J. (2013, June 17). allacademic.com/meta/p641019_index.html. Retrieved June 26, 2014, from allacademic.com: http://citation.allacademic.com/meta/p641019_index.html

Brown, T., & Rothschild, M. (1993, June). Reassessing the Impact of Television Advertising Clutter. *Journal of Consumer Research*, 20, 138-146.

Calder, B., & Sternthal, B. (1980, May). Television Commercial Wearout: An Information Processing View. *Journal of Marketing Research*, 17, 173-186.

Chevalier, J., & Mayzlin, D. (2006, August). The Effects of Word of Mouth on Sales: Online Book Reviews. *Journal of Marketing Research*, 43, 345-354.

Donthu, N., Cherian, J., & Bhargava, M. (1993, May). Factors Influencing Recall of Outdoor Advertizing. *Journal of Advertizing Research*, *33*, 64-72.

Gambetti, R. (2010). Ambient communication: How to engage consumers in Urban Touch-Points. *California Management Review*, *53*(3), 34-51.

Gazzaz, O. B., Khan, F. R., & Iqbal, Z. (2014). Use of Electronic Billboards (EBBs) and Message Recall: Examining the Effectiveness of the EBBs as a PSA tool. *Asian Social Science*, 10(7), 48-56.

Lang, A. (2000). Limited capacity model of mediated message processing. *Journal of Communication*, 50, 46-70.

Lopez-Pumerarejo, T., & Bassell, M. (2009, Fall). The Renaissance of Outdoor Advertising:From Harlem to Hong Kong. *American Journal of Business*, 24(3), 33-39.

Nelson, M. (2002, March). Recall of Brand Placements in Computer/Video Games. *Journal of Advertizing Research*, 42, 80-92.





6: Recommendations

Based on the study's data and the just mentioned conclusion, the following recommendations, pertaining to the structural and substantive characteristics of the digital signage, are proffered to increase their utility as a public service announcement (PSA) tool that:

- Somewhat bigger digital screens should be installed on the major gates of the Prophet's (PBUH) Mosques.
- The displayed message should be simple preferably limited to one short sentence.
- Where possible illustrations should also be used.
- The text should be cast in bigger type-size.
- The screen should change not sooner than after every 15 seconds.
- The text should be cast in the Urdu, the Turkish, and the Persian, the Malay, the Bengali, and the French languages besides the present Arabic and the English languages.
- The message content should be such that the pilgrims should perceive them as helpful and it should have practical relevance for the pilgrims so that they feel like talking to others about it.
- Big-sized scrolling screens carrying very short messages and scrolling very slowly should be installed near the digital screens to supplement the digital screens as the scrolling screens seem to have the capacity to capture attention better.

- Messages were poorly recalled with little over half of the sample could not correctly recall messages with tips. In the sample, exposure and screen usage seem to have a weak to moderately strong relationship with recall.
- As for the dynamics of the effect of screen usage, the process in the sample seems to be thus: the screen usage influences discussions and perception about the messages and these in turn produce message recall. If the screen usage does not produce interaction or positive perceptions about the message, the message recall might not instance.
- Upon juxtaposing the digital signage data with the LED-scrolling board data from the previous study, we may conclude that although the scrolling boards tend to be more noticeable, the digital signage more deeply engages the attention, leads to greater interaction with others about the messages, and more positive perceptions about the usefulness of the screens and better recall.
- Nevertheless, the factors highlighted in the sample that might improve the effectiveness of the digital signage are: increasing the size and the number of the screens, putting up screens near the major gates of the Prophet's (PBUH), and increasing the practical utility and linguistic variety of the messages.
- In terms of two factors of effectiveness of the digital signage: its capacity to engage the pilgrims' attention, and its capacity to produce awareness and learning, the main conclusion derivable from the above analysis of the data is that despite *its potential* for great utility and effectiveness for the pilgrims the digital signage under study is not that much effective.



4.6: The Scrolling & the Digital Boards: Juxtaposing the Results

Tables 1, 2, & 3 contain figures from the present study on digital signage as well as the previous study on LED-scrolling billboards. Black figures in parentheses in the two tables are the findings from the previous study on the scrolling billboards. Although both the populations comprised the Ramadan Omrah pilgrims, yet the figures represent two *different* non-probability samples of pilgrims and may not be directly comparable. Nevertheless, these figures do highlight some interesting points of comparisons. The LED-scrolling boards seem more noticeable, and a higher percentage of respondents say they use them sometime/often yet a higher percentage do not talk about the messages carried by the EBBs. Perhaps these screens do not deeply engage the attention of the respondents, who seem to be missing out on the substance of the messages. That is why perhaps fewer people perceive the scrolling boards as helpful (cf. Table 2). The language barrier is not cited as acutely in the present digital signage study as in the previous one of the 1433 (H).

The just-noted points are further borne out from Table 3 on unaided recall of messages. As compared to the present study almost 100% more respondents fail to recall anything from the scrolling screen (32.4% vs. 63.7%); fewer people recalling some message from the screen and even far fewer recall one complete sentence/message. Aided recall was not examined in the scrolling billboards study.

5: Conclusion

5.1: Summary of the Main Findings

The main objective of the study has been to find out about the pilgrims' use and perceptions of the digital signage on the street opposite to the King Fahd Gate of the Prophet's (PBUH) Mosque, to correlate their exposure and use to recall of the digital signage, and to highlight factors that can help improve its effectiveness. The data analyzed in the previous section leads us to the following composite conclusion:

• Although the main digital signage is highly visible in the area, barely one-third of the sample uses it in problem situations. Despite being perceived as useful in problem situations by almost the entire sample, the digital signage hardly gets cited as one of the top two sources of help. Half of the sample does not talk about the messages with others, which impacts negatively on message recall and the utility of the signage.

Figure 1
Screen Usage and Unaided Recall
Indirect Relationship

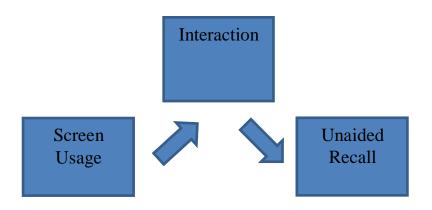
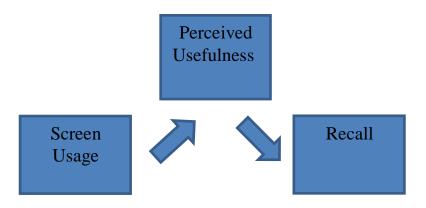


Figure 2
Screen Usage and Aided Recall
Indirect Relationship



www.iprr.epra.org.eg





weak but a positive relationship with aided recall (r = .11, DF = 140) in the sample. Hence, when this undermining effect is controlled for the positive relationship between the screen usage and the aided recall gets a boost. Secondly, we notice that the relationship seems to be disappearing at the 6^{th} order partial (r = .13, DF = .95). The control variable at the 6^{th} order partial is the extent of perceived usefulness of the digital screen. Since perceived usefulness of the screen might not logically precede screen usage, one may argue that the effect of the screen usage on aided recall might in part be through perceived usefulness of the digital screen. That is, the screen usage in problem situation leads to perceived usefulness of the digital screens in problems that in turn leads to improved scores on aided recall.

have survived the test in the sample. The aided recall upon the 7th order control improved from the original zero-order r=.30 to the 7th order partial r of .36. This implies that probably a moderately strong relationship between exposure and aided recall does obtain in the sample.

Usage of screens in problem situation, the other exposure variable, that appears strongly related with the unaided recall (r=.32) and the aided recall (r=.27) was further examined through partial correlation procedures. The 7th order partial figures shown at the foot of Table 7 indicate considerable attenuation in the original zero-order coefficients. For the unaided recall the reduction was from an r of .32 to an r of .04 and for the aided recall the coefficient reduced to .13 from .27. This probably implies that the original relationship in the sample is either spurious (explainable by a control variable) or, depending on the nature of the variables is indirect. That is, it is being explained or mediated by one or another of the control variables in the study. Now controlling for the effects of all of the above test variables in a single block does not provide us with the opportunity to understand the effect of each variable and thus elaborate the relationship between the screen usage in problem situations and recall. Moreover, since our belief is that screen usage in problem situation is likely to be a motivated and an involved activity hence understanding the mechanics of its relationship with the two types of recall may give us insight into the effectiveness of the digital screens as a PSA tool. Hence, it was decided to partial out the control variables in ordered steps entering variables one at a time to a cumulative control.

Tables 8 & 9 provide the zero order and the first to the 7th order partial coefficients for the relationship of the screen usage with the unaided and the aided recall variables respectively. In Table 8, we see a significant drop in the size of partial coefficient at the 5th order partial. The drop is from a moderately strong relationship (r = .28) to a virtual no relationship (r = .10). The variable entered at the 5th order is interaction (frequency of talking about the screen messages with others). Since theoretically screen usage is likely to precede interaction in time order, we can safely conclude that the relationship/effect of screen usage on unaided recall is not direct but through the interaction about the screen message. Hence the interaction may be said to mediate the relationship of the screen usage on unaided recall.

Table 9 elaborates the relationship of the screen usage with the aided recall. Two points are noteworthy in this table. Firstly, we notice a suppressor role for the variable pilgrim group in the screen usage-recall relationship. When the effect of the pilgrim group is controlled for, the size of the 4^{th} order partial coefficient improves (from r = .24 for the previous step to r = .34 at the 5^{th} order). The suppressor role is understandable because we know from Table 7 that the variable pilgrim group has a negative relationship (r = -.42) with the screen usage and a





the screen usage are two different types of exposure variables. While the former taps a general or incidental attention to the screen, the latter variable implies a more involved perhaps motivated exposure and attention to the screen.

A number of weak to moderately strong relationships seem to show up in Table 7. At the zero-order level the unaided recall seem to be predicted by frequency of exposure (r=.19), by education (r=.29), by interaction about the message (r=.34), by perceived usefulness of the screens (r=.31), and by screen usage in problem situations (r=.32). The aided recall on the other hand seem to be predictable at the zero-order level by exposure (r=.30), by interaction about the message (r=.22), by perceived usefulness of the screen (r=.34), and by screen usage in problem situations (r=.27). The entries in the table are zero-order product moment Pearson correlation coefficients. That means nothing is partialled out of the bivariate relationships. Although in small samples these might not be very reliable but with bigger-sized samples (size greater than 100), these may be taken as a good and somewhat more reliable direction pointers.

Apart from these just noted nine predictor-criterion relationships, several moderately strong zero-order inter-predictor relationships are also evident in Table 7. For example, as compared to non-Arabs, the Arabs (mostly Egyptians) are likely to be in the company of others while in the area of the screen (cf. frequenting status & pilgrim group, r= -.24), and they are more likely to talk about the screen message with others (r= -.31), and they are more likely to use digital signage in problem situations than the non-Arabic speaking group (r=-.42).

Additionally, the more the people use the digital screens in problem situations the more they chat about the message with others (r=.68) and the more they perceive the screens as a useful resource in problem situations (r=.33). Similarly, the more highly educated the pilgrims the more they perceive the digital screens as a helpful resource in problem situations (r=.32). Now the question is what these zero-order correlations between pairs of predictors tell us. Since some of these predictors also relate highly with aided and unaided recall like the screen uses, exposure, perceived usefulness of the screens, and interaction about the screen's messages, the chances are that the exposure-recall relationships might be due to other relationships. Hence there is a need to go beyond the zero-order relationships to determine spuriousness. Hence we looked at partial correlation as well.

Table 7 also provides 7th order partial correlation of frequency of exposure with the unaided and the aided recall. The control variables were: age, education, interaction with others about the message, group, helpfulness/usefulness of the message, individual status while frequenting the screen area, and screen usage in problem situations. As the note to Table 7 shows, the attenuation to original zero order correlation coefficient was minimal in the case of the unaided recall (.19 vs. .18). This implies that the weak relationship may

anything. Fifty-percent recalled part or some of the message and 17.6% recalled at least one complete message.

In terms of the aided recall, Table 4, 45.0% of 140 cases who responded could not recall a single message. 30.7% recalled one message and 20.0% recalled two messages and three messages. Little over 4% correctly recalled than three or messages. Average recall score on a scale of 0-5 was .88, with a median of 1.

When asked about reasons for non-recall, 71.6% of 176 cases did not respond or did not know the reason. Of those who responded 76% said that they did not either see the message or did not pay enough attention. Twelve percent apiece cited language barrier and the fast changing screen.

4.5: How Recall Relates to Exposure

Unaided Recall was first examined in bivariate distribution across categories of exposure (cf. Table 5) and then, by way of simple elaboration analysis, bivariate relationship between billboard exposure and recall was examined across categories of the variable "pilgrim groups" (Table 6). These tables together suggest that there may be an over-all weak relationship between frequency of exposure and recall. For example, in zero-order table (Table 4) the Goodman Kruskal's tau is .19 indicating a weak relationship. But when we elaborate the relationship further by controlling for the effect of pilgrim group we find in the conditional table (Table 6) that the relationship between exposure frequency and unaided recall may be weak among the Urdu- speaking group (Goodman Kruskal's tau of .19 for that group) but moderate for the Arabic speaking group (cf. Goodman Kruskal's tau of .26 for the Arabic speaking group in Table 6).

Table 7 gives a bigger picture of the relationship between the two criterion variables of recall (the interval level 3-point unaided recall scale and the ratio level 6-point aided recall ranging from zero message recalled to 5-messages recalled correctly) and exposure frequency (3-point ordinal scale) and several other predictors. The other antecedents of recall in the table—that are found in the literature are argued to predict, mediate or moderate the effects of exposure on recall are: age in years, educational level completed (6-point interval scale), pilgrim groups (a dichotomy), frequency of interaction about the message (a 3-point ordinal scale), perceived usefulness of screen (a 4-point ordinal measure), area frequenting status (a dichotomy of being alone or in company), and screen usage in problem situation (a dichotomy of usage). The frequency of exposure and

¹ The ordinal variables of frequency of exposure and extent of unaided recall were each recoded into dichotomous variables respectively comprising no exposure and some exposure, and no recall and some recall categories for the purpose of crosstabs. The pilgrims were divided into two groups on the basis of language. The pilgrims from the subcontinent speaking Urdu comprised the Urdu speaking group, and the pilgrims from the Arab countries in the Arabic speaking group.





how much helpful did they think the billboard were to them. About 31% of the sample did not respond. The pilgrims' perceptions are shown in Table 2. Of those who responded, about 6% perceived the billboards as not at all helpful to them. Over 94% perceived the screen as helpful.

The open-ended set tried to tap the pilgrims' perceptions about the structural characteristics of the billboards. The first question asked if they could indicate places where the EBBs were needed most. About 62% of the sample (109 of 176 cases) responded to the question by indicating at least one location. Out of 127 valid responses from 111 cases, three places stood out distinct in the analysis; viz, in the area around the Prophet's (PBUH) Mosque (19.3% of cases), on streets to the Mosque (19.3% of cases), and near the Mosque's gates. These areas may be ordered on a continuum of most general (around the Mosque) to most specific (on the gates of the Mosque).

The second open-ended question asked them to indicate changes to the present screen that would increase it utility to them as an information resource. Close to 57% (100 of 176) responded to this question proposing at least one change, and 43% of the cases (76 of 176) did not answer the question. A total of 132 responses from 100 cases were coded by two coders into eleven broad categories with an inter-coder agreement of over 97 percent (disagreement in a few items were resolved through discussions). Five categories of responses stood out. These pertained in descending order to: Bigger screens are needed (31% of cases), no change needed to the present screen (30% of cases), and tied categories of increase the number of screens and include messages in other languages apiece with 24% of cases, increase the practical utility (pilgrims' problem-oriented) of information (14% of cases).

4.4: The Pilgrims' Message Recall

The unaided and the aided recall were examined. Tables 3 & 4 respectively report the frequencies of the categories of recall for each of the two recall-types. For the unaided recall, the pilgrims were asked in an open-ended query to recall whatever messages they had seen on the screen. The answers were coded into a 3point scale ranging from recalled no message to recalled part of a message to recalled one complete message. The aided recall was a ratio level measure where the pilgrims were asked to recall a message from a key word from the screen's messages. In all 5 key words for five messages (a word a message apiece) were given. The score thus could range from 0 (recalled no message) to 5 (recalled all five messages).

Little over 58 percent of the cases (102 out 176) did not respond to the question. Of those who responded (74 cases in all) to the question, 32.4% did not recall

4: Data Analysis and Results

4.1: Statistical Procedures Chosen

To meet the study's objectives, the collected data were analyzed through descriptive statistical analysis comprising univariate and bivariate frequency distribution, conditional contingency tables, and zero-order and partial correlations. Because of the non-probability nature of the sample, interval estimation and significance testing were not considered.

4.2: Use of the Screen & the Context of Exposure

A number of billboard-use variables were looked at. Table 1 summarizes the findings on the pilgrims' exposure to the digital billboard and their exposure context. Operationally, the pilgrims' use of the billboards meant frequency of exposure to the digital signage in the specified area. 67.6% sometime or often look at the screen while in the study area. The rest (32.4%) either mostly never look at the screen or chose not to respond to the question When asked on a 3-point scale, ranging from 1 (never) to 3 (often), how often did they use the billboards when faced with a problem, 33.3% of the pilgrims reported actually using the screen in problem situation sometime or often, whereas 66.7% never use it in problem situations. Only about 5% of the pilgrims ranked billboards in top two sources of help in problem situations. The rest relied most on other sources of information and help like family, friends, mualams, and the tour operators and others.

Two exposure-related contextual variables in Table 1 respectively are: the context (whether alone or in the company of others while in the area), and the subsequent interpersonal interaction about the content of the message. These variables were included because, according to the literature reviewed above, these could potentially influence message recall. Over 35% of the respondents said they were usually alone in the area and a little over 64% said they were usually in the company of friends and others. A little over 54% of the respondent never talked with others about the messages seen on the screen, the rest (close to 46%) talked, at least, sometime about the billboard messages with others.

4.3: Pilgrims' Perceptions about the Digital Signage

The pilgrims' perceptions about the electronic billboards were indexed essentially by three items in the instrument: a closed-ended item, and a set of two open-ended questions. The close-ended question measured the degree of perceived usefulness or utility of the billboards to the respondents. On a 3-point scale, ranging from not at all helpful to very helpful, the respondents were asked about

15



pertaining to those key words. This yielded a ratio level measurement with scores ranging from 0 (No message correctly described to 5 (all 5 key words correctly linked to description of five messages. The unaided recall was measured as per our previous study (Gazzaz, Khan & Iqbal, 2014). As such, operationally, the unaided recall comprised asking a respondent to describe any message seen on the digital screen under study.

3.2: Sample and Data Collection

Data were collected by four trained interviewers. Prior to data collection, the interviewers were trained. Two detailed and extended training sessions were held with four post-graduate and doctoral students, who also had had considerable prior experience of interviewing the pilgrims for the purpose of field surveys. The points that were emphasized and discussed in the training sessions pertained to the purpose of study, the techniques of interviewing, meaning and purpose of each of the questions in the interview schedule, instructions for the interviewers, and how to correctly record the answers. Each interviewer was asked to conduct five interviews as a practice run. Further training happened through joint debriefing session through video conference.

Two hundred interviews were completed by these interviewers in two languages from a non-probability convenience sample of the pilgrims, who frequented the area opposite the Kind Fahd and the Al-Salam Gates of the Mosque. The data was collected in different time periods of the day.

Since a secondary purpose of this year's data gathering was also to pretest a few question items for the Hajj season's study pertaining to communication ecology of the Egyptian pilgrims, 75 percent of the respondents were Arabic speaking. And close to 65 percent of the Arabic speaking respondents belonged to Egypt.

3.3: Coding and Data Cleaning

After the data were collected in the month of Ramadan, the coding of the responses commenced. While coding the close-ended questions was pretty simple, responses to open-ended questions have been quite time-consuming. Two coders developed a detailed listing of the responses to each of the open-ended questions that helped us develop a detailed coding scheme for the responses to open-ended questions. Some open-ended questions that entailed multiple responses were coded through multiple-response method while some others through multiple dichotomy method of coding. After the coding of the open-ended items, the data were input into SPSS data files. Univariate frequency runs on the collected data were carried out and a complete codebook was created. The codebook was analyzed for stray coding and missing data to clean up the data for analysis.

3. To identify factors that may strengthen the effectiveness of the digital billboard as a PSA tool.

2.5: Benefits:

The data created through the above objectives is expected to not only help determine the effectiveness of the particular digital signage in question but will help develop guidelines on how best to more pervasively employ digital billboards as a public service and civic information channel of information for the pilgrims in the Holy places in general.

3: Methods

3.1: Instrument Development

A survey instrument was developed in the months prior to Ramadan containing a mix of closed and open-ended questions tapping information on the pilgrims' use and perceived utility of the electronic billboard to them. The questionnaire was developed through an extensive review of the questionnaire from the previous year's study and through discussions sessions with colleagues well-experienced in field data collection from the pilgrims as well as those having extensive familiarity with the use of the electronic billboards in and around the Holy places. The questionnaire was initially prepared in the English language that was subsequently got translated into the Arabic & the Urdu languages. These translated versions were closely scrutinized for their close conformity to their English version and the purpose of the study.

The final interview schedule comprised of a mix of standard close-ended questions that tapped the pilgrims' socio-demographic status, and the open-ended questions that tapped their exposure and attention to the billboards and information recall in addition to tapping their perceptions of and attitudes about the electronic billboards. The questions also focused on issues of location and size of the billboards, substance of the content, and its display and presentation. Some of the questions also tapped the context within which exposure to the billboards happened. The recall items in this year questionnaire included both the unaided and the aided recall items. The aided recall was measured as per Bigsby & Monahan (2013) operationalization of that construct. According to them, the aided recall involves describing specific part of a message to the respondent; e.g., saying a word to the respondent and then asking him to describe the message pertaining to that key word. As such in the present study, the aided recall comprised a battery of five key phrases picked from over 25 messages displayed on the main non-scrolling digital billboard and the respondents were asked to describe the messages





information campaigns (Donthu, Cherian, & Bhargava, 1993; Taylor, Franke, & Bang, 2006; Osborne & Coleman, 2008).

2.3: Types of Recall

Literature on message effectiveness, as noted above, has used message recall as a factor of message effectiveness. In the absence of standardized measures of recall, some researchers argue for using types of recall to determine and understand message effectiveness (Bigsby & Monahan, 2013). Assumption is that type of recall differentially relates to different aspects of memory. Memory mainly comprises processes of encoding (involves message processing and evaluation), storage (maintenance of encoded information in relation to previously stored information, and retrieval -- access and use of old information, (Bigsby & Monahan, 2013; Lang, 2000). Bigsby & Monahan (2013) differentiate between recognition recall, the aided and the unaided recall. Recognition recall involves a kind of multiple choice test wherein a respondent is to select the target message from a list of choices. Aided recall involves describing specific part of a message; e.g., saying a word to the respondent and then asking him to describe the message pertaining to that key word. An unaided recall may comprise asking a respondent to describe any message seen on a digital billboard, for example. The unaided recall a least sensitive measure yields least amount of information recall (Bigby & Monahan, 2013).

It is argued that unaided recall is a better indicator of elaborative processing or high involvement with the message and aided recall is more likely outcome in low-involvement situation or shallow processing (Lang, 2000). The amount of time between exposure and recall may also impact recall. It may be aided recall is more likely in longer time duration between exposure and recall but recalls assessed immediately after exposure might not be well differentiated (Bigsby & Monahan, 2013).

2.4: Objectives of the Study

In view of the foregoing, and to adequately answer the above mentioned broad research question, the present study has posited the following specific research objectives:

- 1. To examine the pilgrims' use of and perceptions about the digital signage in the area directly opposite to the King Fahd Gates' of the Holy Mosque at Madinah al-Munawwarah.
- 2. To correlate the digital signage use with the aided and the unaided recall of the screen messages.

2: Literature Review

2.1: Theoretical Framework

Since the above identified broad research question relates with factors of effectiveness of digital signage, hence, in order to focus the study, we will provide a quick overview of outdoor advertising literature that pertain to structural and respondent related features of the digital screens' effectiveness.

2.2: Digital Signage: Factors of Effectiveness

Scant direct research on the factors that determine the effectiveness of the electronic billboards in information campaigns is available (Osborne & Coleman, 2008). Much of the past research on the outdoor advertising campaigns predates the widespread use of technological advances in the outdoor advertising like the introduction of the digital billboards. Additionally, a persistent preoccupation of researchers with television advertising coupled with difficulty of employing experimental methods in outdoor advertising research leaves us with little available research wisdom on the utility of the EBBs as a publicity tool. Nevertheless, television advertising research and research on traditional billboards generally lead us to conclude that a number of factors like the structural characteristics of the billboards, the message characteristics, characteristics of audiences, their exposure patterns and the situational context of exposure, may influence audience learning and information retention, and in turn the billboards' effectiveness in information campaigns. Taylor, Franke, & Bang (2006) has identified two criteria of billboard effectiveness as attention to billboards and improving recall. Hence use of clever creative execution of billboard messages is important. The traditional billboard literature has also identified short copy and simple message (single message, and use of clever phrases and/or illustrations) as one of the five principles of effective billboard advertising and higher recall (Taylor, Franke, & Bang, 2006; Bhargava, Donthu, & Carbon, 1994).

Additionally, for the digital billboards, distraction due to message clutter, the message scrolling speed, use of cellphones, and the presence of friends while frequenting the area have been found to significantly interfere with attention to billboards and thus recall of the billboard messages (Raymond, 2003; Riebe & Dewes, 2006). Similarly, talking with others about the message content (Nelson, 2002), attitudes toward the utility of the billboards as information resource, and exposure and attention to the screens, and the structural features of the billboards like the size of the billboard, the wordiness or readability of the message, the use of animations & action, the font size, the speed with which the messages scroll or flash through the screen all may influence the billboard recall and their utility in





screens where a displayed message remains static for a few second and then changes.

Nevertheless, our contention is that putting up digital billboards at some vantage points with digital messages endlessly scrolling or flashing across the screens does not automatically guarantee the intended results. The literature on outdoor or Digital Out Of Home (DOOH) advertising and billboard signage tells us that the structural variables of the billboards, such as location, size, message content, format and presentation variables, and the respondent variables like their demographic characteristics, their exposure characteristics, and their exposure context characteristics relate to effectiveness or recall of digital signage (Osborne & Coleman, 2008; Brown & Rothschild, 1993; Calder & Sternthal, 1980; Chevalier & Mayzlin, 2006; Donthu, Cherian, & Bhargava, 1993; Nelson, 2002; Raymond, 2003; Riebe & Dawes, 2006)

The present study, therefore, examines the pilgrims' perceptions of and exposure to the digital signage in question, and their learning from the screen. Whether the pilgrims, at all, notice these billboards and benefit from them. That is, the broad research question being addressed here is: What is the effectiveness or utility of the digital signage outside of the King Fahd Gate of the Prophet's (PBUH) Mosque? Effectiveness or utility of the electronic billboards implies the degree to which these billboards engage the pilgrims' exposure and attention. The construct effectiveness, in the minimum, also implies the extent to which the pilgrims learn and retain information from these boards. Learning; i.e., information recall, from the public information campaigns is indeed important for attitudinal and behavioral effects of a PSA campaign.

Furthermore, as of now, apart from a couple of small scrolling billboards there is just one major digital screen at the start of the street opposite to the King Fahd Gate area and there is definitely an urgent need to beef up digital signage in and around the Prophet's (PBUH) Mosque area for improved guidance of the pilgrims. Input from the present study shall be of use and value to putting up more digital signage in the area.

Hence, together with Gazzaz, Khan, & Iqbal (2014) study of the EBBs around the Holy Masjid in Makkah al-Mukarramah, the present study shall shine more light on how best to more pervasively deploy the digital signage to the pilgrims' advantage in the *Harama'en as-Sharifa'en*.

1: Introduction

1.1: Background & Significance

Digital signage is a useful tool of disseminating public service and commercial messages to a target audience in highly frequented locations. Frequency and pervasiveness with which the electronic billboards are used the world over is, in itself, a testimony to their effectiveness as message carriers. Advertising through electronic billboards is part of the outdoor or the out of home advertising market and is one of the fastest growing segments of the media industry in the Western world (Lopez-Pumerarejo & Bassell, 2009; Gambetti, 2010). Perhaps inspired by this worldwide trend of the use of digital signage, the Saudi government authorities have started deploying digital signage in and around the *Harama'en Sharifa'en* (the Two Holy Mosques) area for guidance of the pilgrims. One such big-sized non-scrolling digital billboard has been set up directly opposite to the King Fahd Gate of the Prophet's (PBUH) Mosque. This billboard mainly carries public service announcements (PSA) including the Prophet's (PBUH) *ahadiths*.

The effectiveness assumption of the billboards, *per se*, may well be a safe assumption to make but as our previous study of the EBBs in the Haram area has also demonstrated this is not always the case (Gazzaz, Khan, & Iqbal, 2014). In that particular study, the EBBs were found to be of limited use due to a number of location, size, message content and formatting deficiencies. Since we, too, believe that the electronic billboards can yet be effectively employed in various stages of the Hajj process, and since the structural and format factors of the particular digital signage put up outside the King Fahd gate of the Prophet's (PBUH) Mosque are different from the *al-Haram al-Shareef* signage at the time of previous study at Makkah al-Mukarramah, we propose to examine the utility of the particular digital billboard set up outside the Prophet's (PBUH) Mosque as well.

Additionally, Gazzaz, Khan & Iqbal (2014) may have inadequately examined exposure-recall relationship. For example, the dynamics of relationship were examined in terms of exposure frequency and unaided recall only. It can be argued that the effect of frequency of exposure on aided recall might be different from the unaided recall. Similarly for determining the effects of exposure on recall perhaps we need to conceptualize exposure more specifically as exposure to digital screens in actual situations of need and difficulty rather than a general frequency of looking at the screens while in the area. Moreover, unlike the signage under study outside the Prophet's (PBUH) Mosque, the studied signage in the above cited study comprised of the traditional LED-scrolling message boards of relatively smaller size. Of late, these scrolling-screens have been augmented with bigger-sized digital





Abstract

The present study has examined the pilgrims' use, perceptions and recall of the digital signage set up on the street opposite to the King Fahd Gate of the Prophet's (PBUH) Mosque to determine its effectiveness as a PSA tool. Data from the present study is also juxtaposed with data from a previous study on non-digital LED-scrolling billboards to highlight the effectiveness of the digital screens. Two types of measures of exposure, exposure frequency and screen usage in problem situations, are correlated with measures of unaided and aided recall. Partial correlations controlling for the demographic, exposure context, message-related interaction, and perceived usefulness of the screens were used to understand the mechanism of exposure-recall relationship. The main conclusion derivable from the above analysis of the factors of effectiveness --data on screen use, audience perceptions of the digital signage, and message recall -- is that despite its potential for great utility and effectiveness as a PSA tool the particular digital signage is performing below par. Recommendations are proffered on improving the effectiveness of the signage.

Exposure to Digital Signage and Message Recall: Determining the Effectiveness of the Billboard outside the Prophet's (PBUH) Mosque at Madinah al-Munawwarah

Dr. Osman B.Gazzaz Umm al-Qura University drgazzaz@gmail.com

Acknowledgment

Foremost we invoke the name of Allah, the most Gracious the Dispenser of Grace. His eternal peace and blessings be upon Muhammad (PBUH), members of his household and on his companions, Aameen. All thanks are to Allah Subhanahu-Wa-Ta'la for His mercy, help and for bestowing us with the capacity to undertake and complete this study. This study was fully funded by the Institute of the Custodian Two Holy Mosques for Hajj and Omrah Research, Umm al-Qura University, Makkah al-Mukarramah, the Kingdom of Saudi Arabia. We gratefully acknowledge the institute's financial support and record our unreserved gratitude to the Institute's administration and the members of the Research Committee for approving and supporting the project. We are also thankful to our colleagues at the department and to all the post-graduate students who contributed with their time, efforts and invaluable suggestions in various stages of this project. Without their help and support, this project could not be completed.



Exposure to Digital Signage and Message Recall: Determining the Effectiveness of the Billboard outside the Prophet's (PBUH) Mosque at Madinah al-Munawwarah

Dr. Osman B.Gazzaz^(*)

drgazzaz@gmail.com

^(*) Assistant Professor - Head of Media Affairs Department,: The Institute of the Custodian of Two Holy Mosques for Hajj & Omrah Research , Umm al-Qura University.

Copyright © EPRA 2015

All rights reserved.

None of the materials provided on this Journal or the web site may be used, reproduced or transmitted, in whole or in part, in any form or by any means, electronic or mechanical, including photocopying, recording or the use of any information storage and retrieval system, except as provided for in the Terms and Conditions of Use of Egyptian public Relations Association, without permission in writing from the publisher.

And all applicable terms and conditions and international laws with regard to the violation of the copyrights of the electronic or printed copy.

ISSN for the printed copy

(ISSN 2314-8721)

ISSN of the electronic version

(ISSN 2314-8723X)

To request such permission or for further enquires, please contact:

EPRA Publications

Egyptian Public Relations Association, Gizza, Egypt Dokki, Ben Elsarayat -2 Ahmed Elzayat St.

Email: chairman@epra.org.eg - jprr@epra.org.eg

Web: www.epra.org.eg

Phone: (+2) 0114 -15 -14 -157 - (+2) 0114 -15 -14 -151 - (+2) 02-376-20 -818

- The publication fees of the manuscript for the Egyptians are: 850 L.E. and for the Expatriate Egyptians and the Foreigners are: 450 \$.
- If the referring committee refused and approved the disqualification of publishing the manuscript, an amount of 250 L.E. will be reimbursed for the Egyptian authors and 130 \$ for the Expatriate Egyptians and the Foreigners.
- The manuscript does not exceed 35 pages of A4 size. 20 L.E. will be paid for an extra page for the Egyptians and 5 \$ for Expatriate Egyptians and the Foreigners authors.
- A special 10 % discount of the publication fees will be offered to the Egyptians and the Foreign members of the Fellowship of the Egyptian Public Relations Association for any number of times during the year.
- Three copies of the journal and three Extracted pieces from the author's manuscript after the publication.
- The fees of publishing the scientific abstract of (Master's Degree) are: 250 L.E. for the Egyptians and 150 \$ for the Foreigners.
- The fees of publishing the scientific abstract of (Doctorate Degree) are: 350 L.E. for the Egyptians and 180 \$ for the Foreigners. As the abstract do not exceed 8 pages and a 10 % discount is offered to the members of the Egyptian Society of Public Relations. Three copies of the journal will be sent to the author's address.
- Publishing a book offer costs LE 700 for the Egyptians and 300 \$US for foreigners.
- Three copies of the journal are sent to the author of the book after the publication to his/her address. And a 10% discount is offered to the members of the Egyptian Society of Public Relations.
- For publishing offers of workshops organization and seminars, inside Egypt LE 600 and outside Egypt U.S. \$ 350 without a limit to the number of pages.
- The fees of the presentation of the International Conferences inside Egypt: 850 L.E. and outside Egypt: 450 \$\\$ without a limitation of the number of pages.
- All the research results and opinions express the opinions of the authors of the presented research papers not the opinions of the Egyptian Association for Public Relations.
- Submissions will be sent to the chairman of the Journal.

Address:

Egyptian Public Relations Association,

Arab Republic of Egypt, Gizza, El-Dokki, Bein El-Sarayat, 2 Ahmed El-zayat Street.

And also to the Association email: jprr@epra.org.eg, or epra_cairo@yahoo.com, dr_hatematef2000@yahoo.com, after paying the publishing fees and sending a copy of the receipt.

Journal of public relations research Middle East

It is a scientific journal that publishes specialized research papers in Public Relations, Mass Media and Communication 'after peer refereeing these papers by a number of specialized Professors.

The journal is affiliated to the Egyptian Public Relations Association, the first Egyptian specialized scientific association in public relations.

- The journal is accredited, Classified internationally for its printed and electronic version from the Academy of Scientific Research and Technology in Cairo And classified by the Committee of Scientific Promotion Specialization media Supreme Council of Universities.
- This journal is published quarterly.
- The journal accepts publishing books, conferences, workshops and scientific Arab and international events.
- The journal publishes advertisements on scientific search engines, Arabic and foreign publishing houses according to the special conditions adhered to by the advertiser.
- It also publishes special research papers of the scientific promotion and for researchers who are about to defend master and Doctoral theses.
- The publication of academic theses that have been discussed, scientific books specialized in public relations and media and teaching staff members specialized scientific essays.

Publishing rules:

- It should be an original Manuscripts that has never been published.
- Arabic, English, French Manuscripts are accepted however a one page abstract in English should be submitted if the Manuscripts is written in Arabic.
- The submitted Manuscripts should be in the fields of public relations and integrated marketing communications.
- The submitted scientific Manuscripts are subject to refereeing unless they have been evaluated by scientific committees and boards at recognized authorities or they were part of an accepted academic thesis.
- The correct scientific bases of writing scientific research should be considered. It should be typed, in Simplified Arabic, 14 points font for the main text. The main and sub titles, in Bold letters. English Manuscripts should be written in Times New Roman.
- References are mentioned at the end of the Manuscripts in a sequential manner.
- References are monitored at the end of research, according to the methodology of scientific sequential manner and in accordance with the reference signal to the board in a way that APA Search of America.
- The author should present a printed copy and an electronic copy of his manuscript on a CD written in Word format with his/her CV.
- In case of accepting the publication of the manuscript in the journal, the author will be informed officially by a letter. But in case of refusing, the author will be informed officially by a letter and part of the research publication fees will be sent back to him soon.
- If the manuscript required simple modifications, the author should resent the manuscript with the new modifications during one week after the receipt the modification notes, and if the author is late, the manuscript will be delayed to the upcoming issue, but if there are thorough modifications in the manuscript, the author should send them after 15 days.



Journal of Public Relations Research Middle East (JPRR.ME)

Scientific Refereed Journal

- Seventh issue - April / June 2015

Founder & Chairman

Dr. Hatem Saad

Chair of EPRA

Editor in Chief

Prof. Dr. Aly Agwa

Professor of Public Relations & former Dean of Faculty of Mass Communication - Cairo University Chairman of the Scientific Committee of EPRA

Editorial Manager

Prof. Dr. Mohamed Moawad

Media Professor at Ain Shams University & former Dean of Faculty of Mass Communication - Sinai University Chairman of the Consulting Committee of EPRA

Editorial Assistants

Prof.Dr. Rizk Abd Elmoatv

Professor of Public Relations Misr International University

Dr. Sadek Rabeh (Algeria)

Associate Professor of mass communication - Emirati Canadian faculty - United Arab Emirates - the former dean of Faculty of information and Public Relations - Ajman University

El-Sayed Abdel-Rahman Ali

Assistant Professor Academy of The Arabic Language

Address

Egyptian Public Relations Association

Arab Republic of Egypt Giza - Dokki

Ben Elsarayat - 2 Ahmed Zayat Street Mobile: +201141514157 Tel: +2237620818 www.epra.org.eg jprr@epra.org.eg

Scientific Board ** **IPRR.ME**

Prof. Dr. Aly Agwa (Egypt)

Professor of Public Relations and former Dean of the Faculty of Mass Communication, Cairo University

Prof. Dr. Thomas A. Bauer

Professor of Mass Communication at the University of Vienna

Prof. Dr. Mona Al-Hadedy (Egypt)

Professor of radio and television - Faculty of Mass Communication, Cairo University

Prof. Dr. Yas Elbaiaty (Iraq)

Professor of Journalism at the University of Baghdad, Vice Dean of the Faculty of Media and Information and Humanities, Ajman University of Science

Prof. Dr. Enshirah el SHAL (Egypt)

Professor of Media at the Faculty of Mass Communication, Cairo University (State Doctorate in Arts and Humanities from France)

Prof. Dr. Hassan Mekawy (Egypt)

Professor of radio and television - Faculty of Mass Communication, Cairo University

Prof. Dr. Nesma Younes (Egypt)

Professor of Radio & Televosion at the Faculty of Mass Communication, Cairo University

Prof. Dr. Mohamed Moawad (Egypt)

Media professor at Ain Shams University & former Dean of Faculty of Mass Communication - Sinai

Prof. Dr. Samy Abd Elaziz (Egypt)

Professor of public relations and marketing communications for the former Dean of the Faculty of Information, Cairo University

Prof. Dr. Abd Elrahman El Aned (KSA)

Professor of Media and Public Relations Department of the Faculty of Media Arts - King Saud University

Prof. Dr. Mahmoud Yousef (Egypt)

Professor of Public Relations - Faculty of Mass Communication, Cairo University

Prof. Dr. Samy Taya (Egypt)

Professor and Head of Public Relations Faculty of Mass Communication - Cairo University

Prof. Dr. Basyouni Hamada (Egypt)

Professor of media and public opinion, political - Faculty of Mass Communication, Cairo University

Prof. Dr. Sherif Darwesh Allaban (Egypt)

Professor of printing press at the Faculty of Mass Communication, Cairo University

Prof. Dr. Hassan Aly (Egypt)

Professor of Radio & Television and Head of Mass Communication Department - Faculty of Arts - Mina University

Prof. Dr. Mahmoud Hassan Ismael (Egypt)

Media professor & Head of Department of Culture Media and Children at Ain Shams

Prof. Dr. Hamdy Abo Alenen (Egypt)

Media professor and dean of the Faculty of Al-Alsun and Mass Communication, Vice President of the International University of Egypt

Prof. Dr. Othman Al Arabi (KSA)

Professor of Public Relations and the former head of the media department at the Faculty of Arts - King

Prof. Dr. Abden Alsharef (Libya)

Media professor and dean of the College of Arts and Humanities at the University of Zaytuna – Libya

Prof. Dr. Waled Fathalha Barakat (Egypt)

Professor of Radio & Televosion at the Faculty of Mass Communication, Cairo University

Prof. Dr. Tahseen Mansour (Jordan)

Professor of Public Relations at the Faculty of Mass Communication, Yarmouk University

Prof. Dr. Mohamed Elbokhary (Syria)

Professor, Department of Public Relations and Publicity, School of Journalism, University of MF Uzbek national Ulugbek Beck

Prof. Dr. Ali Kessaissia, (Algeria)

Professor, Faculty of Media Science & Communication, University of Algiers-3.

Prof. Dr. Redouane BoudJema, (Algeria)

Professor, Faculty of Media Science & Communication, University of Algiers-3.

^{**} Names are arranged according to the date of obtaining the degree of a university professor.

Journal





Middle East

Journal of Public Relations Research Middle East
Scientific refereed Journal - Published by Egyptian Public Relations Association – Seventh Issue – April / June 2015

Researches in English:

■ **Dr. Osman B. Gazzaz** – Umm al-Qura University

Exposure to Digital Signage and Message Recall: Determining the Effectiveness of the Billboard outside the Prophet's (PBUH) Mosque at Madinah al-Munawwarah

Abstracts Researches in Arabic:

Prof.Dr. Enshirah el SHAL - Université du Caire
 Un piratage de TV5Monde

40

- Dr. Hala Kamal Ahmed Nofal South Valley University
 The Social networking and popular political movement An analytical study on
 January 25 revolution sites for social networking
- Dr. Mohamed Zen Abd Elrahman Minia University
 The relationship between the Egyptians' usage of the Egyptian electronic newspapers and the level of the knowledge about the Yemen crisis
- Dr. Maha Ahmed Abdel Aziem Abdel Wahab Ain-Shams University
 The use of Saudi child social networking sites and Its Gratifications: A field study on a sample of children in Riyadh
- Dr. Aziz Labane Algiers 3 University
 Study the relationship between TV exposure and factors of TV addiction among university students and high school in Algiers
- Dr. Abd Allah Abd Alla E'Alwazan Northern Border University
 The credibility of the means of social communication in the point of Saudi university students

(ISSN 2314-8721)

Egyptian National Scientific & Technical
Information Network
(ENSTINET)
Copyright @2015 EPRA