Dr. Maura Conway

Dublin City University

Cyberterrorism



A Definition:

...[H]ighly damaging computer-based attacks or threats of attack by non-state actors against information systems when conducted to intimidate or coerce governments or societies in pursuit of goals that are political or social. It is the convergence of terrorism with cyberspace, where cyberspace becomes the means of conducting the terrorist act. Rather than committing acts of violence against persons or physical property, the cyberterrorist commits acts of destruction or disruption against digital property (Denning 2006)

The Literature

- Scholarly papers
- Media reports
- Policy documents

The Literature

'Hypers'(Verton's *Black Ice*, 2003)

'De-Hypers'

3 Arguments Against Cyberterrorism

- 1. Technological Complexity
- 2. 9/11 & the Image Factor
- 3. 9/11 & the Accident Issue

Technological Complexity

- IT Knowledge
- Real world attacks difficult enough
- Hiring hackers and compromising operational security

9/11 & the Image Factor



9/11 & the Image Factor



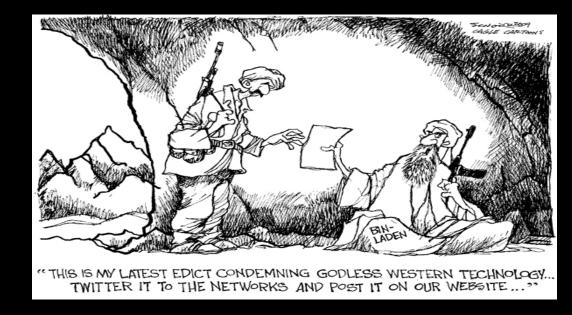
9/11 & the Accident Issue

Howard Schmidt to the **US Senate Committee on** the Judiciary (2004): "...during NIMDA and Code Red, we to this day don't know the source of that. It could have very easily been a terrorist..."



Conclusions

- Cost-benefit analysis
- Cyberterrorism is not in our near future
- Bombs are still preferable to bytes



VIOLENT ONLINE RADICALISATION: WEIGHING THE ROLE OF THE INTERNET IN CONTEMPORARY TERRORISM





Somos FARC Ejército del pueblo





Alexandra, la holandesa que milita en las FARC-EP LA MUJER EN LA GUERRA Da gusto oirla cantar por ahi, siempre a media voz, en holandes, ingles o quizas en que lengua extranjera. Por Gabriel Angel



Últimas publicaciones

16/07 LA RUTA HEPTAGONAL

16/07 El Grito de Independencia UN GRITO DE BATALLA

27/06 MAYO INSURGENTE

26/06 MAYO INSURGENTE

26/06 AL PUEBLO COLOMBIANO

24/06 TRIUNFO ILEGITIMO DEL CONTINUISMO





philippinerevolution.net



Philippine Revolution Web Central

POWS (Southern Mindanao). The Merardo Arce Command ordered their release based on humanitarian grounds despite the finding of probable cause by the region's revolutionary organ of political authority against them for various acts constituting serious violations of Human Rights and International

Humanitarian Law. Click here to see the photo

Parts Bagani II. A new set of artworks from Comrade Parts Bagani of Southern

Other videos: Stand for truth and change | 9 music videos from North Eastern Mindanao | 4 ka Dekada (Panay)

Latest Added Publications: Liberation International, April-June 2010 | Daba-daba,

Marso-Abril 2010 | Pasa Bilis, Abril 2010

NDF Get the National Democratic Front's calendar for 2010.



Catch Marco Valbuena on





Follow Marco Valbuena on Twitter

RECENT POSTINGS

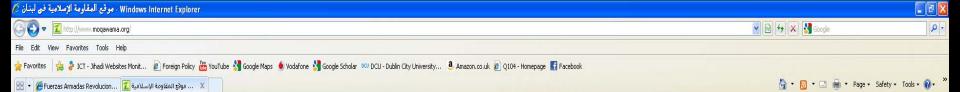
- · Water crisis exposes Aquino's sheer insensitivity, immaturity and incompetence--CPP
- Punish US soldiers in sexual molestation of female singer in Basilan concert-CPP
- Patrol conducted by abusive Army detachment ambushed; 3 high-powered rifles seized
- NPA punishes drug lord and corrupt ex-mayor Mateo Biong, Jr
- . NPA releases POW to give human rights and international humanitarian law a chance
- NPA Facilitates Return to Civilian Status of Minor Recruited as Combatant by AFP
- · Without pinpointing AFP culpability, Aguino's call for military to prioritize human rights is meaningless--CPP

PRWC RELEASES PUBLICATIONS REFERENCES ORGANIZATIONS FEATURES MULTIMEDIA

Rebolusyon, di magagapi ng dahas at panlilinlang ng Planong paghirang kay Etta Rosales, umani ng batikos | 20 sundalo napatay, 8 armas nasamsam ng BHB Balik-tanaw sa PEACe Bonds Download PDF 🏯 JUNE 19, 2010



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المؤتمر الصحفى للأمين العام لحزب الله

الخميس ٢٠١٠موز/يوليو ٢٠١٠

ولي أمر المسلمين؛ اميركا والكيان الصهيوني وبريطانيا الحماة الرئيسيون لمرتكبي جريمة زاهدان

الشيخ ملص: كلام السيد نصر الله يستدعي وقف حملات التحريض التي تخدم إسرائيل وأميركا

الإمام الخامنين: الجمهورية الاسلامية ستحيط مخطط الفتنة بين المسلمين

خطياء الجمعة طالبوا اللبنانيين بعدم الانجرار وراء الفتنة المذهبية والتنبه للخطط الاميركية والصهيونية للمنطقة

نديل : خطة عبده هدفها وصول جعجع الى الرئاسة واعادة تجربة 82 والضحية الاولى في ذلك سعد الحريري

نقرير مصور من المؤتمر الصحفي للامين العام لحزب الله



- بيريز مستاء من وجود "غالبية مناهضة لاسرائيل" في الأمم المتحدة
- + شاتيلا: "اسرائيل" شنت حربها الأمنية على لبنان بعد فشلها بحرب 2006





🚡 أخبار

القادة

حزب الله

الأمين العام

المقاومة الاسلامية

Français F

₪ البريد الإلكتروني

🖾 القائمة البريدية RSS M

⊟ جديد الموقع ﴿ ﴿ ﴿ ا

الشيخ ملص: كلام السيد نصر الله يستدعى وقف حملات التحريض التي تخدم إسرائيل وأميركا

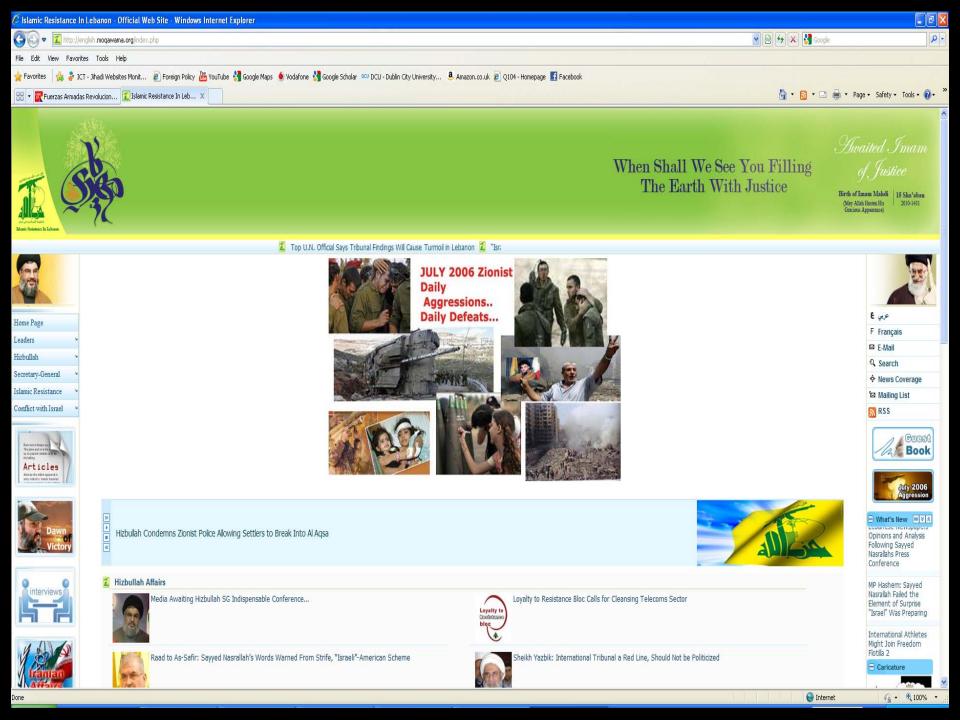
المقتطف العبري ليوم الجمعة: العدو يطلب وقف الدعم العسكري الدولي للبنان وخشية من شل النقل في الكيان بصواريخ

فنديل : خطة عبدة هدفها

وصول جعجع الى الرئاسة 🔻

يحث (ر

الله المعملة المعملة



'New' vs. 'Old' Terrorism

'Old' group SITES:

- Native language(s) + English
- Reaching out to global public(s)
- Language of human rights

'New' group CONTENT:

- Arabic (until recently)
- Targeted at supporters/sympathisers
- Radicalisation, recruitment?
- Practical advice, theological instruction, etc.
- Highly interactive

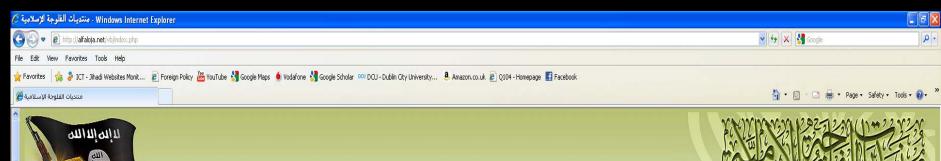


TYPES OF JIHADI CONTENT

- Text
- (Forum postings, magazines/journals, books, statements, etc.)
- Audio(Statements, nashid, rap, etc.)
- Video

AQ have no 'official' website

Nor do they have a logo





AL-FALLUJAH ISLAMIC FORUMS

وإن دولة الإسلام باقبة لأنها بنيت من أشلاء الشهداء ورويت بدمانهم وبها انعقد سوق الجنة باقبة لأن توفيق

آخر الأخيار والإصدارات

:: مؤسسة الاندلس :: تقدم ضمن سلسلة ظلال السيوف و نكاية في المرتدين الاصدار





تنظيم القاعدة في جزيرة العرب:: تبني الهجوم على مبنى الأمن السياسي ومبنى الأمن العام في ولاية أبين

بالرتبني الهجوم علد مبند الامن السياسي قاعدة الجهاد ومبند الأمن الهام في ولاية أبين بيان تبني الهجوم علد مبند الامن السياشي في جزيرة ألعرب قاعدة الجهاد ومبند الأمن العام في ولاية أبين في جزيرة ألعرب



GENRES OF VIDEO



 Political Statements (OBL, Zawahiri, Western 'spokesmen,' etc.)



- Beheadings
- Attack footage (Esp. Iraq, Afghanistan)
- Living wills (i.e. 'pre-martyrdom' videos)
- Instructional
 - Theological
 - Operational
- Memorials (i.e. Commemorating persons &/or events)
- Music videos

Distribution Channels

- 'Guerilla media network' (Kimmage 2008, 2)
- Al-Sahab ('the clouds') is primary AQ content producer

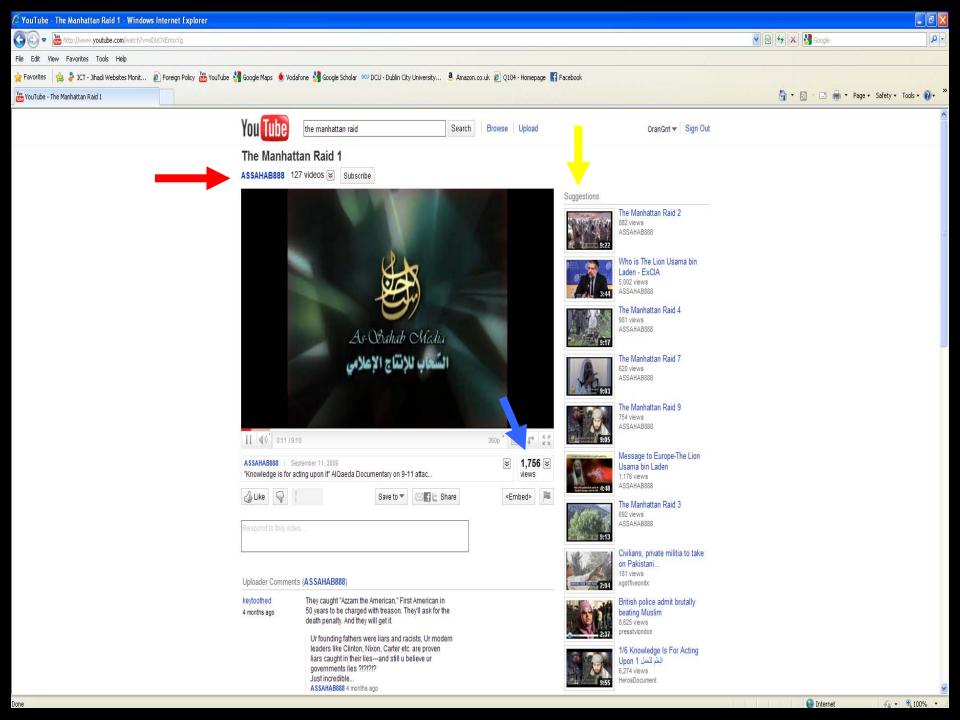
Al-Sahab

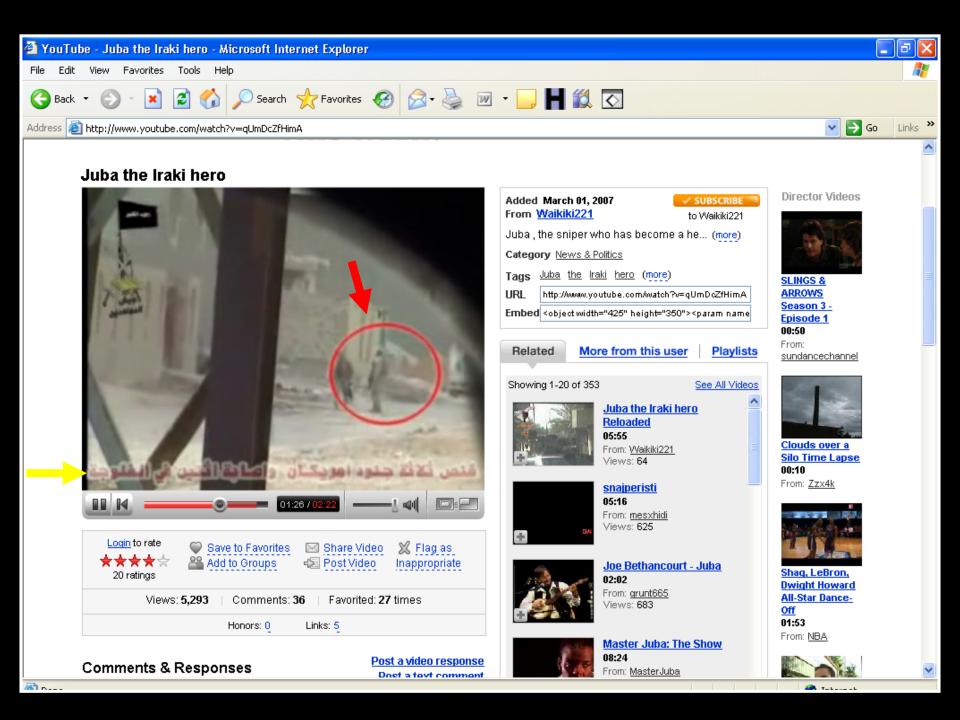
- Forums are primary distribution channels
- Logos are prominent
- Unofficial content risks diluting/ confusing the brand & is therefore frowned upon



Importance of YouTube (& Similar):

- Videos much easier to locate (no Arabic or high level of Internet literacy necessary)
- Known and attractive to esp. young people
- Moving images more convincing than text
- Translations & subtitles
- Easy copying and dissemination (e-mail links, but also copy to VHS, CDs, DVDs, mobile phones)
- Increased scrutiny recently...
- But YouTube can't be shut down like forums





radicalization, n.

The action or process of making or becoming radical, esp. in political outlook.

1867 N.Y. Times 23 July 2/1 There were very many who were resolved..to address negro meetingsin order to avert the radicalization of that class of voters. 1891 Pall Mall Gaz. 28 Feb. 7 The rapid Radicalization..of the Tory party. 1935 Communist 11 885 The bourgeoisie..are alarmed at the rapid radicalization of the workers. 1969 G. S. JONES in A. Cockburn & R. Blackburn Student Power 53 British students..are for the first time showing a certain radicalization. 2006 N.Y. Times (Nexis) 5 Dec. 2006 Mr. Ramirez's words..point to a creeping 'with us or against us' radicalization in Venezuelan society (Oxford English Dictionary).

Political Radicalisation Vs. Violent Radicalisation

Online violent radicalisation is here conceived as a process whereby individuals, through their online interactions and exposure to various types of Internet content, come to view violence as a legitimate method of solving social and political conflicts.

But how important is the Internet in radicalisation processes? We don't know; there is ongoing debate...

Stevens & Neumann in Countering Online Radicalisation (2009):

"Self-radicalisation and selfrecruitment via the Internet with little or no relation to the outside world rarely happens, and there is no reason to suppose that this situation will change in the near future" (p.13).

Stevens & Neumann in Countering Online Radicalisation (2009):

"Self-radicalisation and selfrecruitment via the Internet with little or no relation to the outside world rarely happens, and there is no reason to suppose that this situation will change in the near future" (p.13).

Others Disagree...

- Online radicalisation will become more widespread
- Internet generally component part of wider process, but not always
- Evidence from other realms (pro-ana, suicide pacts, etc.) of power of purely online social networks

NB: Nobody has yet shown/proven (i.e. in a systematic way, rather than relying on anecdote) violent online radicalisation

Who?





- Distant from zones of conflict
 - But what about NIrl?
 - Hamas' childrens site
- Isolated/marginalised in 'real' world
- Those who stumble across content (on global portals) and are drawn in (through interest and/or social networking and/or targeting)
- Young women (esp. in jihadist circles)

Forums ('already made-up minds') Vs. Global platforms (YouTube, blogs, etc.)

Available Responses?

- Remove jihadi sites/content
 - Covert attacks
 - Legislation
 - Private initiatives (Terms of Service)
- Prosecute producers & distributors
- Monitor jihadi content/discussion
- Contribute content/discussion
 - Counternarratives
 - Infiltration and disruption (al-Faloja?)

Where to Next?

- More quantitative and qualitative (esp. interviews) research
- VOR research on other than violent jihadism (e.g. dissident Irish Republicans, far Right, etc.)
- Evidence from other realms (pro-ana, suicide pacts, etc.) of power of purely online social networks

CONCLUSION 1

Two basic questions remain unanswered:

- 1. Is it possible for persons to be radicalised online?
- 2. If so, how?

For why should we/how can we possibly respond if we don't have the answers to these?

CONCLUSION 2

- It's not about the Internet per se...
- It's about
 - **Politics** (national &/or international)
 - + Context (Arab Spring, recession)
 - + Social interaction (online &/or off)
- With the Internet (and online tools/applications) as facilitator(s)

Most of my papers are freely accessible online at doras.dcu.ie

Twitter: @TNMConference