

Applying “Questionable File Show & Tell” to human rights evidence

No Time to Wait 4, Budapest, Dec 2019

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CHANGE IT

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Real-time Reenactment

229 - professionalhackers.in

Deepfakes and Synthetic Media: What should we fear? What can we do?

By Sam Gregory

DEMOCRATIC NATIONAL CONVENTION

Why It's So Difficult to Authenticate Videos That Appear to Show Human Rights Violations

By REBECCA WEXLER

FEB 28, 2017 • 12:50

WHO WE ARE WHAT WE DO

NEWS

CAMEROON ARMED CONFLICT

Digitally dissecting atrocities – Amnesty International's open source investigations

By Conor Fortune, Senior Communications Adviser - Crisis Response London, 26 September 2018, 17:01 UTC

NEWS

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NOW PLAYING

10:50 BBC finds truth behind this woman's killing 24 Sep 18

UP NEXT

9:36 Cameroon's descent towards civil war 25 Jun 18

7:23 Inside the world of Kenya's 'killer cop' 10 Sep 18

4:56 Torture exposed at Somali rehab clinic 30 Jul 18

5:19 'My neighbour is' 16 Jul 18

Cameroon atrocity: Finding the soldiers who killed this woman

In July 2018 a horrifying video began to circulate on social media. It shows two women and two young children being led away gunpoint by a group of Cameroonian soldiers. The captives are blindfolded, forced to the ground, and shot 22 times.

The government of Cameroon initially dismissed the video as "fake news." But BBC Africa Eye, through forensic analysis of the footage, can prove exactly where this happened, when it happened, and who was responsible for the killing.

bellingcat

Bellingcat's Online Investigation Toolkit

OSINT Landscape v.1 February 2018

Open Source Intelligence (OSINT) – Open Source Investigation

Social Media Platforms

Facebook Weibo Twitter Qzone Instagram Odnoklassniki LinkedIn VK Snapchat YouTube Periscope

StalkScan twXplorer Signal FBDOWN Twitter Live Capt TweetDeck

Sharing & Publishing

flickr Pinterest Google+

Blogg, Forums & other communities

STRAY tumblr. Blogger WIX.com classmates Medium weebly

Internet Search

Google Yandex Bing

Geospatial Data

GeoNames Free GIS Data OpenRailwayMap MAPS ME

NYT's video series, Visual Investigations® delivers a definitive account of today's biggest stories by tracking down clues from videos, photos and satellite images.

Killing Khashoggi: How a Brutal Saudi Hit Job Unfolded

Nov. 16, 2018

One Building, One Bomb: How Assad Gassed His Own People

June 25, 2018

An Israeli Soldier Killed a Medic in Gaza. We Investigated the Fatal Shot.

Dec. 30, 2018

How the Las Vegas Gun Planned a Massacre, in Days of Video

March 22, 2018

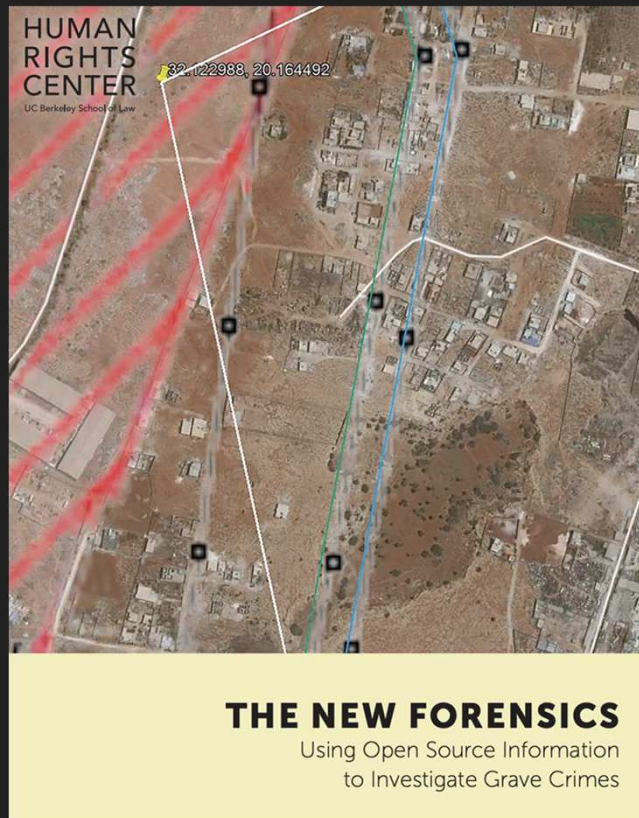
FIRST DRAFT

ABOUT PROJECTS RESEARCH TRAINING

The skills every digital investigator needs

The Whistle: verifying digital evidence of human rights violations

Authenticating documentation for evidentiary use



Public literacy about manipulated information

NEWS

Rumors Spread on WhatsApp Blamed for Two More Deaths in India

Melanie Ehrenkranz
6/11/18 3:10PM • Filed to: WHATSAPP

56.6K 10 Save



Photo: Getty



State-Sponsored Trolling

How Governments Are Deploying Disinformation as Part of Broader Digital Harassment Campaigns

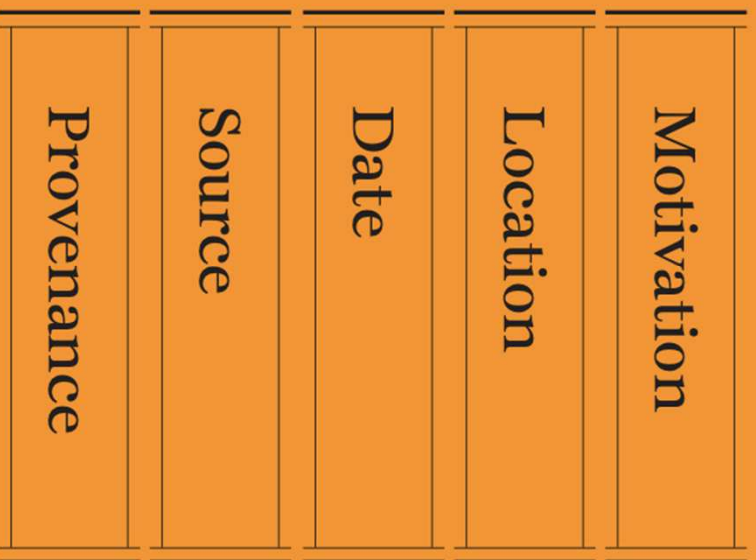
Authored by Nicholas Monaco and Carly Nyst. Editor in Chief, Samuel C. Woolley.

IN THE MEDIA

Bloomberg — [A Global Guide to State Sponsored Trolling](#)

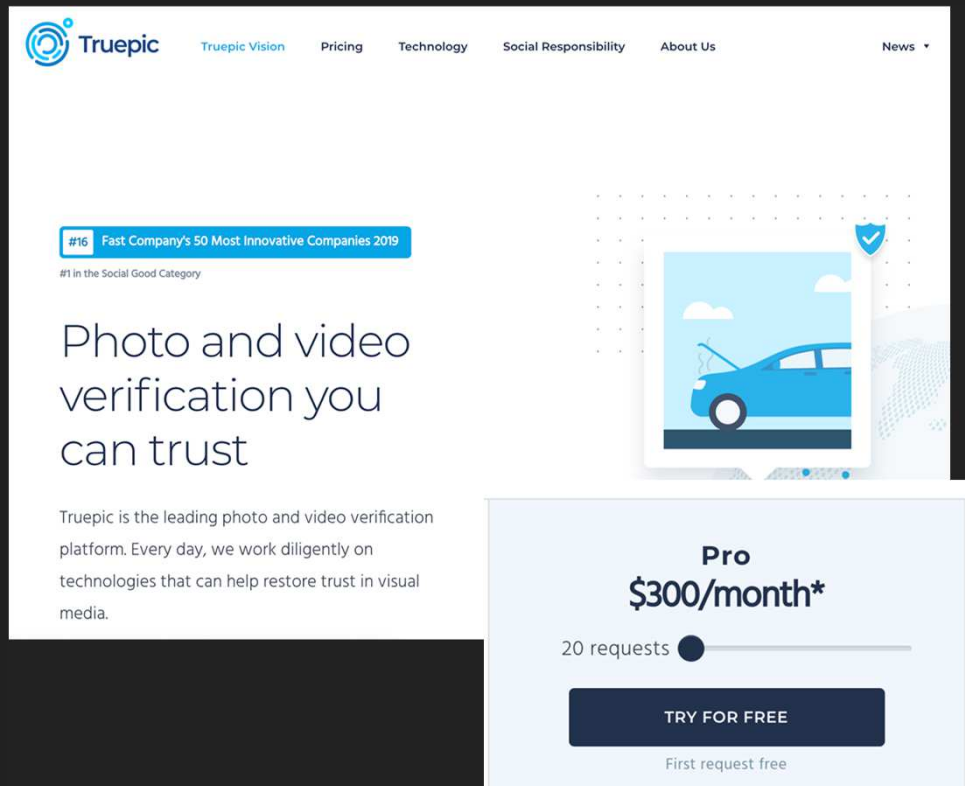
MIT Tech Review — [State-sponsored trolling is rampant throughout the world—including the U.S.](#)

In our latest report from the Digital Intelligence Lab, we investigate how state-sponsored online hate and harassment campaigns, including in the U.S., are being used to intimidate and silence government critics at scale. This is the first comprehensive attempt to describe the phenomenon of state-sponsored trolling from a qualitative and quantitative standpoint.



The 5 pillars of visual verification.
Source: First Draft.

Emerging proprietary verification services



The screenshot shows the Truepic website. At the top is a navigation bar with links: Truepic Vision, Pricing, Technology, Social Responsibility, About Us, and News. Below the navigation bar, on the left, is a badge that says "#16 Fast Company's 50 Most Innovative Companies 2019" and "#1 in the Social Good Category". The main heading reads "Photo and video verification you can trust". Below this, a paragraph states: "Truepic is the leading photo and video verification platform. Every day, we work diligently on technologies that can help restore trust in visual media." To the right of the text is an illustration of a blue car with a checkmark icon above it. At the bottom, a pricing card for the "Pro" plan is shown, featuring a slider set to "20 requests" and a "TRY FOR FREE" button. Below the button, it says "First request free".

Truepic

Truepic Vision Pricing Technology Social Responsibility About Us News

#16 Fast Company's 50 Most Innovative Companies 2019
#1 in the Social Good Category

Photo and video verification you can trust

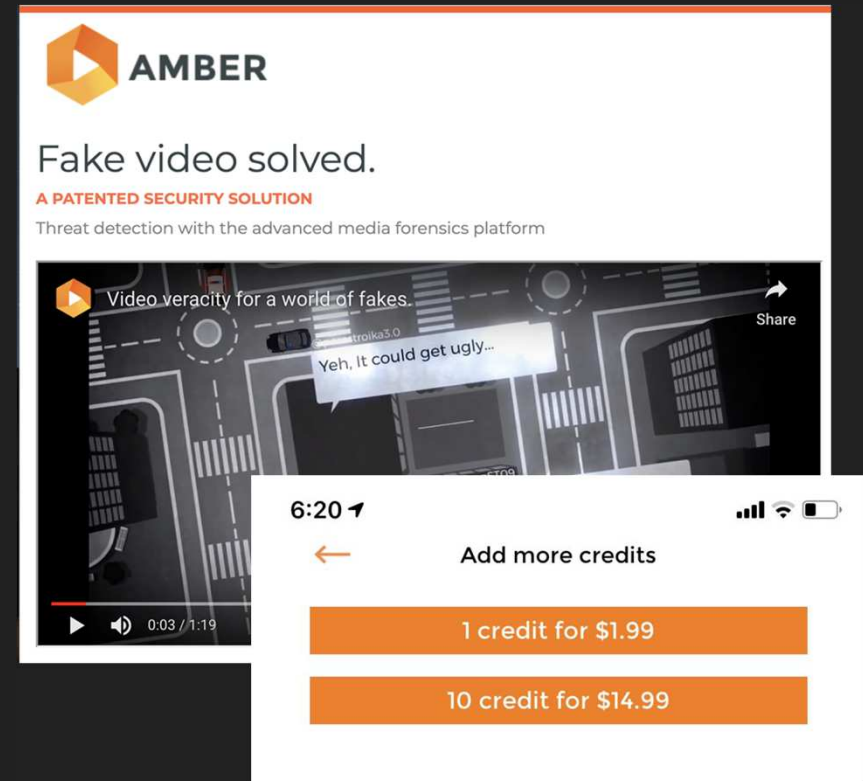
Truepic is the leading photo and video verification platform. Every day, we work diligently on technologies that can help restore trust in visual media.

Pro
\$300/month*

20 requests

TRY FOR FREE

First request free



The screenshot displays the AMBER website and a mobile app interface. The website header features the AMBER logo and the headline "Fake video solved." followed by "A PATENTED SECURITY SOLUTION" and "Threat detection with the advanced media forensics platform". Below this is a video player showing a street scene with a car and a speech bubble that says "Yeh, it could get ugly...". The video player has a "Share" button and a progress bar. Overlaid on the bottom right is a mobile app interface showing a "6:20" status bar with signal, Wi-Fi, and battery icons. The app screen has a back arrow and the text "Add more credits". Below this are two orange buttons: "1 credit for \$1.99" and "10 credit for \$14.99".

AMBER

Fake video solved.

A PATENTED SECURITY SOLUTION

Threat detection with the advanced media forensics platform

Video veracity for a world of fakes.

troika3.0

Yeh, it could get ugly...

Share

6:20

Add more credits

1 credit for \$1.99

10 credit for \$14.99



What can we glean about provenance, creation, and intention based on AV attribute analysis?

What computer vision / image forensic tools and techniques can be shared by open source community for authenticating and verifying media?

What knowledge can be shared to raise public literacy about media manipulation?

What role can open source community play in development of standards for trustworthy media capture and verification?

Open source projects

(verification via signatures / metadata, not image analysis)



**ProofMode (by
Guardian Project
with WITNESS)**



Tella (by Horizontal)



Others?