



Proves d'accés a la universitat

Llengua estrangera **Anglès**

Sèrie 1 - A

Qualificació	
Comprensió escrita	
Redacció	
Comprensió oral	
Suma de notes parcials	
Qualificació final	

Etiqueta de l'alumne/a

Ubicació del tribunal

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Etiqueta del corrector/a

THE FUTURE OF FAKE NEWS: DON'T BELIEVE EVERYTHING YOU READ, SEE OR HEAR

In an age of Photoshop, filters and social media, many of us are used to seeing manipulated pictures—subjects become slimmer and smoother or, in the case of Snapchat, transformed into puppies. However, there's a new breed of video and audio manipulation tools, made possible by advances in artificial intelligence and computer graphics, that will allow for the creation of realistic looking **footage** of public figures appearing to say anything: Queen Elisabeth declaring her desire to fly to the moon, or Hillary Clinton describing how she climbed Mount Everest without oxygen. This is the future of fake news. We've long been told not to believe everything we read, but soon we'll have to question everything we see and hear as well.

For now, there are several research teams working on capturing and synthesizing different visual and audio elements of human behaviour. Software developed at Stanford University called Face2Face is able to manipulate video footage of public figures to allow a second person to put words in their mouth—in real time. Face2Face captures the second person's facial expressions as they talk into a webcam and then **morphs** those movements directly onto the face of the person in the original video. On its own, Face2Face is a fun plaything for creating memes and entertaining late-night talk show hosts. However, with the addition of a synthesized voice, it becomes more convincing—not only does the digital puppet look like the politician, but it can sound like the politician, too.

A research team at the University of Alabama at Birmingham has been working on voice impersonation. With 3-5 minutes of audio of a victim's voice—taken live or from YouTube videos or radio shows—an attacker can create a synthesized voice that can **fool** both humans and voice biometric security systems used by some banks and smartphones. The attacker can then talk into a microphone and the software will convert it so that the words sound like they are being spoken by the victim—whether over the phone or on a radio show.

Although their intentions may be well-meaning, voice-morphing technology could be combined with face-morphing technology to create convincing fake statements by public figures. However, these morphing technologies still aren't perfect. The facial expressions in the videos can seem a little distorted or unnatural, and the voices can sound a little robotic. But given time, they will be able to faithfully recreate the sound or appearance of a person, to the point where it might be very difficult for humans to detect the fraud.

Given the erosion of trust in the media and the **rampant** spread of **hoaxes** via social media, it will become even more important for news organizations to **scrutinize** content that looks and sounds like the real deal. People should be looking at the lighting and shadows in the video, whether all the elements featured in the frame are the right size, and whether the audio is **synced** perfectly. **Doctored** content might not pass the scrutiny of a rigorous newsroom, but if posted as a **grainy** video to social media it could spread virally and trigger a political, diplomatic, or public relations disaster, or even start a war.

Text adapted from an article by
Olivia SOLON. *The Guardian* [online] (July 26, 2017)

footage: filmació / filmación
to morph: aplicar canvis / aplicar cambios
to fool: enganyar / engañar
rampant: sense restriccions / sin restricciones
hoax: engany, trampa / engaño, fraude
to scrutinize: examinar detalladament / examinar detalladamente
synced: sincronitzat / sincronizado
doctored: manipulats / manipulado
grainy: granulat / granulado

Part 1: Reading comprehension

Choose the best answer according to the text. Only ONE answer is correct.

[3 points: 0.375 points for each correct answer. Wrong answers will be penalized by deducting 0.125 points. There is no penalty for unanswered questions.]

		Espai per al corrector/a		
		Correcta	Incorrecta	No contestada
1.	Artificial intelligence and computer graphics <input type="checkbox"/> are the future of social media sites. <input type="checkbox"/> are creating new types of video and audio manipulation tools. <input type="checkbox"/> will benefit public figures such as Donald Trump. <input type="checkbox"/> enable readers to spot fake news.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Fake news will be more convincing in the future because <input type="checkbox"/> people tend to have less critical thinking skills. <input type="checkbox"/> people will be more familiar with image technology. <input type="checkbox"/> it will incorporate improved image and voice technology. <input type="checkbox"/> human behaviour is easy to imitate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Face2Face can currently <input type="checkbox"/> capture someone's facial expressions and map them onto someone else's face. <input type="checkbox"/> imitate someone's facial expressions. <input type="checkbox"/> synthesize voice and incorporate it onto someone's image. <input type="checkbox"/> capture someone's physical appearance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Recent research allows <input type="checkbox"/> smartphones to synthesize voice. <input type="checkbox"/> the creation of software to convert real voice into a synthesized one. <input type="checkbox"/> the creation of microphones that synthesize voice. <input type="checkbox"/> the creation of 3-5 minute audios.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Which of the following statements is NOT true? <input type="checkbox"/> Digital puppets will look and sound like real people. <input type="checkbox"/> Face and voice-morphing technology will create more convincing fake news. <input type="checkbox"/> Synthesized voice may deceive some security systems. <input type="checkbox"/> Current software only works with live voice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	There is certainly room for improvement in morphing technologies <input type="checkbox"/> since they are able to exactly reproduce voice and image. <input type="checkbox"/> since there are often sound delays in the videos. <input type="checkbox"/> since facial expressions and voices may appear unreal. <input type="checkbox"/> since humans can never detect fake videos.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	From now on, news organisations should <input type="checkbox"/> manipulate news more often. <input type="checkbox"/> not trust any information on social media. <input type="checkbox"/> be more critical with their sources. <input type="checkbox"/> pay particular attention to the features of videos.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	What is the danger of fake news, according to the author of the text? <input type="checkbox"/> News agencies will never be able to detect fake news. <input type="checkbox"/> Fake news will go viral on social media and create family conflicts. <input type="checkbox"/> News agencies will spread fake news and create political conflicts. <input type="checkbox"/> The viral presence of fake news on social media could create serious conflicts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Correctes	Incorrectes	No contestades
Recompte de les respostes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nota de comprensió escrita	<input type="text"/>		

Part 2: Writing

Choose ONE topic. Write about number 1 or 2. Minimum length: 100 words.

[4 points]

1. **Write an essay** on the consequences that the use of the latest morphing technology might have for news agencies and the lack of trust in the media.
2. Do you shop online, or do you like to go to stores? Does the type of product you are looking for make a difference in your decision? Are online stores fair competition for “real” stores? **Write an essay** in which you discuss some of the advantages and disadvantages of online shopping.

Grammar	
Vocabulary	
Text	
Maturity	
Total	
Nota de la redacció	

Part 3: Listening comprehension

AN INTERVIEW WITH A DANCER

In the following conversation you are going to hear some new words. Read and listen to them. Make sure you know what they mean.

channel: conduir / conducir

put so much into something: esforçar-se molt / esforzarse mucho

demanding: exigent / exigente

rehearsal: assaig / ensayo

chill out: descansar, relaxar-se / descansar, relajarse

icon: icona / icono

Ready?

Now read the questions on the following page. Read them carefully before listening to the conversation.

Presenter: You have probably seen our guest on ITV's new show *Dance* or maybe you have been to the theater where she is now performing *Aladdin*. After dancing with the ballet company for five years, she is starting to break into principal roles and discover what it means to be at the top of their profession. Otherwise the chances are that you follow her on Instagram... after all, she boasts over 100,000 followers. In today's program, I'm going to interview Claire Petty.

[Now listen to the interview.]

QUESTIONS

Choose the best answer according to the recording. Only ONE answer is correct.

[3 points: 0.375 points for each correct answer. Wrong answers will be penalized by deducting 0.125 points. There is no penalty for unanswered questions.]

		Espai per al corrector/a		
		Correcta	Incorrecta	No contestada
1.	Why did Claire start doing ballet? <input type="checkbox"/> A teacher told her she was good at it. <input type="checkbox"/> She was a very active child. <input type="checkbox"/> Her mother was a ballet producer. <input type="checkbox"/> She was forced by the head teacher.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Which of these sentences is NOT true according to the interview? <input type="checkbox"/> Most of Claire's teachers thought that she would not succeed in dancing. <input type="checkbox"/> Her family supported her decision and helped her. <input type="checkbox"/> She is motivated to do the things others think she cannot do. <input type="checkbox"/> She liked people to tell her that she couldn't make a career out of dancing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	What motivates Claire to dance? <input type="checkbox"/> The fact that it is a very demanding job. <input type="checkbox"/> The joy she has when she is in the studio. <input type="checkbox"/> The happiness she feels when she is on stage. <input type="checkbox"/> The hobbies she is able to keep thanks to ballet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	How does Claire feel after rehearsals? <input type="checkbox"/> She thinks about the following day's performance. <input type="checkbox"/> She thinks of all the positive things in the performance. <input type="checkbox"/> She is excited about the things that may go wrong. <input type="checkbox"/> She reflects on the beauty of the performance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Which of these things does she NOT do to relax? <input type="checkbox"/> She watches movies. <input type="checkbox"/> She goes out with her friends. <input type="checkbox"/> She dances ballet. <input type="checkbox"/> She listens to music.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	What's her opinion on musical stars? <input type="checkbox"/> She would only like to work with Justin Bieber and Jennifer Lopez. <input type="checkbox"/> She thinks dancing for them is hard work but gratifying. <input type="checkbox"/> She can't wait to work with them as she has not worked with any yet. <input type="checkbox"/> She has worked with Beyoncé and that was a dream come true.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Why does Claire not consider herself famous now? <input type="checkbox"/> Because only some people recognize her. <input type="checkbox"/> Because most of her fans are five years old. <input type="checkbox"/> Because her fan page on Instagram is new. <input type="checkbox"/> Because five years ago she was very famous.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	What would Claire like to do if she were not a dancer? <input type="checkbox"/> She would like to go to Australia to film a movie. <input type="checkbox"/> She would like to study art and become a painter. <input type="checkbox"/> She would like to design houses and especially her own. <input type="checkbox"/> She would like to be an actress on a television show.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Correctes	Incorrectes	No contestades
Recompte de les respostes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nota de comprensió oral	<input style="width: 100%; height: 20px;" type="text"/>		

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Etiqueta de l'alumne/a



Institut
d'Estudis
Catalans