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An International Symposium
Technology and Deaf Education

"Video, Video Everywhere
Using Video in Teaching"

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>> Good afternoon. My name is Linda. I work here at NTID in the employment center, and I'm just here to welcome you and facilitate this session. We're very happy to have some excellent presenters here with us today to present on Video, Video Everywhere. And they are Simon Ting, who is an instructional developer, Cathy Clarke, who is a digital media specialist, and Regina, who is an employment advisor in the NTID center on employment. Our three interpreters are Jen Proseco, Marie Bernard case and Cheryl Bovard. Our captionist is Tammy Milcowitz. So we thank all of you tech folks, interpreters for your support today. The presentation will be a half hour, and then ten minutes for questions. And they've asked us please to be on time so that you can get to your next presentation.
So Simon.

>>SIMON TING: Hello, everybody. I hope you all can hear okay. Can you all hear me? Can you all hear me? Okay. First I'm going to open this presentation with a short discussion. You know YouTube. It does nothing except let you serve, upload and share videos on the Web site. It first opened for the public in may 2005. 1.65 billion dollars. So that's a lot of money. Explosive growth of YouTube in 18 months has taken the concept of using the web to share videos. Today there are many Web sites similar to YouTube, all doing pretty much the same thing. There are millions of video clips on the Web site. Most people now think it is nothing to watch videos in their web browsers. Most people think nothing about watching video in their web browsers now. Many create, upload their own videos to share with people on the web. I'd like to discuss the characteristics of web video. We're talking about user generated content. Produced by people like you and me. Most videos you see on the web are produced by people like you and me. The quality of the production is usually not that great. There's a lot of blurriness. But they attract thousands of viewers, sometimes even hundreds of thousands of viewers. The production quality -- depends on the information of the video. Really, the point of video on the web is about sharing information. Sometimes videos are produced on the web, produced by expensive equipment and hardware and software. And these videos are either distributed on VHS or DVD. You have to capture the video, compress it, and then upload it. And then you have to input it on to your web page, and many people are a little overwhelmed and don't know what to do about this process. Most of the videos you see on the web today are produced by people like you and me using a Webcam, maybe costing less than \$100, or at most a mini DV camera costing under \$300.

The software they use is either free or it's not that expensive.

You can hook up your Webcam or mini DV camera to your computer and then save your video to the hard drive, or you can immediately upload it to the Web site. Without having to compress or convert the video.

So nowadays, web video is easy to produce. What can we do with this video? For teachers of deaf learners, we can think about the web video as a kind of visual text, and sign language is a natural language for this medium to create a handout now, all you need to know is to learn how to use a word processor, and to produce video you need a Webcam to shoot a simple video that communicates what you want to share with your students.

We don't need any fancy Hollywood special effects.

This is a recent development to the internet. We have some older video sharing Web sites on a Web site you'll see a link or you'll see something that you click on, and then you can watch the video. You can watch the video on the Web site in this old version, but there's nothing you can do to it or with it. But now there's a new kind of Web site, and we call this the Web 2.0. And you can upload and save your video, but you can also do other things such as edit your video.

And you can use a story board or a time line for that. You can also add specific effects or subtitles, and you can add things to your completed video in this way.

The newest Web 2.0 Web sites offer more user interaction.

They allow users to interact with each other.

With some, you can use live streaming of your video. You can broadcast with your Webcam. Other sites allow users to interact and talk with each other using video.

Of course, there are many benefits to Web 2.0 Web sites.

Most of these services are free and they're quite easy to use. They're browser based so you don't need to install any software on to your computer in order to use these features.

Of course, there are disadvantages as well. Web services are less powerful than desk top software. Many of the Web sites are new, and if their owners can't find a way to make money, they have to close down their services or they may start charging fees for their use.

If you are concerned, you could sign up for services that are owned by Google or Yahoo, for example. Companies like Microsoft.

Okay. We're going to do some demonstrations today, and we hope that what you see here will help you and encourage you to look for new ways to use technology. For the rest of the presentation, Regina will show you how easy it is to create your own web videos and to upload your videos to YouTube or to other services on the web.

And Cathy will talk about some of the things you can do using Web 2.0 services.

Then I would like to show you a captioning project that we're working on here that we're also hoping to convert to a Web 2.0 service. Okay.

>> Hi. I work at the NTID Service Center as an employment advisor, and my role is to really help the students prepare for their resumes and cover letters and also to practice for interviewing to help them work on their interviewing skills. I started this position last fall, and I've also been teaching students since the fall, and I started producing a lot of videos for my students, and what I've learned is that the students are not always comfortable viewing videos. But producing them on their own, for example, for their interviewing skills, when we work on that, I've assigned students, to ask them to use a Webcam and to sign on to the Webcam to a prospective employer, interviewer, and I have a list of questions that they can work on, and so for homework, I ask them to sign these questions to the employer into the Webcam and produce a video and then send that to me via the E-mail so that I can view their assignments and give them feedback on how they're done, and also my feedback is signed into a Webcam and I give my comments in that way on video and I send that back to the student. And that way the student can save the video comments that I've made, and they can save their video and work on that, and work to improve. Also in class discussion I've used a mini DV camera for class discussions for if we have visitors coming to class, or recruiters for businesses, we ask that person what the employer's looking for, what they like to see in an interview.

And that way we have a lot of valuable information captured on to videotape and we can upload that on to the web where it can be viewed during class or outside of class or in another room.

I use two different tools for video production. I use a mini DV, and also a Webcam.

For the mini DV, I can bring it anywhere. It's so portable. I can shoot video in the classroom. I can go outside. I can go into a conference room with my mini DV camera. It's very portable. And then I can upload my video to the software that I have. We'll talk about that software a little later. As far as the Webcam, we've tested it where you sit in front of the computer, just one person sitting in front of the Webcam, or students themselves can sign to the

Webcam. You know, they're facing the computer. It's different than a mini DV. Understand so far? Okay. My purpose in demonstrating this information is not to overwhelm you. It's very easy to produce a video and I'd like to show you that now.

So first I'll show you the Webcam and how we do that. Again, I use video production in my classroom a lot, but it can be applied to a lot of different topics, I mean, mathematics, history, you name it. For example, a mathematics teacher could sign a lesson to a Webcam. For example, they could be talking about formulas or, you know, some sort of problem they could give to the students, and then they can send that right to the students, and they can look at that, and, you know, that information is presented in sign language for them. If somebody doesn't know any sign language or knows -- has a limited knowledge of sign language, we're also adding captioning feature to that video, or a text script could be added to the video. It's very easy to do. Now, I'm showing you the Webcam right now on my laptop here. Okay. Well, the computer -- you know, there's computers all over the world, and there's free software called Windows Movie Maker, and it's free. It's free software that any of you can use. You can use for capturing video, for editing your video, and then after that, you can upload to YouTube or anybody's own Web site. Right now, I'm trying to open up the software. I'm trying to open up Windows Movie Maker to see if we can download what I'm signing to you on the Webcam here. Okay. While the computer's getting set up, I can show you the mini DV camera and how to use that. All right. Is it all right with you if I show you that videotape just for a minute? Just for a minute. I just want to show you for a simulated classroom environment and you were the students in that classroom and I can show you, you know, as though we're having a discussion in class about some topic and how I would videotape the class during that discussion and then how I save that to the Web site so that later students can access that video as many times as they want. And then I'm going to ask somebody some kind volunteer who's willing to come up here and just be interviewed for, again, just a second, just kind of a one-on-one interview and I'll show you how that process goes, videotaping that and then

uploading it.

This is the mini DV camera. It cost less than \$300. And here's a cable that goes into the laptop, or, if it doesn't have to be plugged in. It could be recorded remotely from the computer, and then uploaded at a later time.

Okay. Well, I'd say I've been, you know, you think you need to practice producing a videotape about two or three times before you feel really confident in it, but you can do it. Students, of course, you know, being younger, their brains are more flexible, maybe one time is enough for them to

practice.

This is Windows Movie Maker. Right now we're clicking on capture from video device.

Okay. The Canon DV device, that's the one that I'm holding here. That's -- Canon DV device is for the Webcam. This is what we want, the Logitech. So click on Logitech -- no, Canon DV device, and then click Next.

Now we need to come up with a title. We'll call it, well, 1 is fine, and then next. And then best quality for playback on the computer, we find that's the best one. No, that one takes up too much memory, so we go to the other settings, and then 512 for broadband. We find that's perfectly adequate for saving on the web, and then hit next.

So, as you can see from the hour glass, we're in wait mode. Of course, in practice this went really perfectly before the presentation, and everything went fine. And now we're here for real, and, of course, it's being very mischievous.

All right. Okay. Now we're going to hit Start Capture.

Okay. Go ahead.

Okay. Now you can click Stop Capture, and then next you hit Finish, click on that.

Okay. So now it's uploaded to the Windows Movie Maker software. You can see it right there.

So later on, if I had a visitor in the classroom, I could videotape that visitor one on one. I'm going to pick Linda. I choose you!

Okay. Again, click on Capture from Video Device.

Okay. Next. Call it 2. Next. Hmmm.

Okay. I'm going to interview Linda. I'm going to, like, suppose that you're some recruiter that's come to visit our class, and I'm wondering what advice you would have for the students.

>> I think the most important thing I would recommend to the students would be to do research on the company that you're applying to so that you can match your resume and your cover

letter with the skills and --
>>SIMON TING: Hold on one moment, please. Okay. Go on.
>> So you match your skills and qualifications on resume and cover letter with that company. You show the things that that company is doing that match with what you have to offer.
>> Lovely. Thank you so much. Thank you! Okay. Now you can click Stop Capture. I have a lot of valuable information that I did require for my interview with Linda, and I'd like to save that now and upload that into Windows Movie Maker. You can click on Finish there. So we need to wait just a little while while it's creating the file. So right now I'm going to show you how you can edit your video. And how you can drag a clip down into your time line. Drag it on down.

That clip that we just dragged down into the time line is from the mini DV camera of all of you.
Okay. So now I have two clips in my time line. I'd like to add some text, and I can do that. We have the option to make titles or credits. I have the option of whether I want the text to appear at the beginning of the movie or at the end of the clip, and now I entered the text.
When I'm done entering the text I click on Done, add text to movie. And then we can play our movie.
You can make a lot of editing decisions using Windows Movie Maker, and then when you're ready to -- you're finished, you can upload that video to YouTube after you finish editing that.
So you'd want to save that to your computer. Click on Save to my Computer.
To open a video in YouTube, there are rules you have to follow. You need to register an account with YouTube, and then there's a place on YouTube where you can upload your video, and you just follow the instructions that are there on YouTube. It's very easy to do that.
You can upload your video to YouTube and then you're done. Then you can provide a link to your students to tell them where on the web to go find the video, and then they can open it up in YouTube and see what the teacher said.
Thanks so much. Cathy?
>>CATHY CLARKE: Okay. Now I'm going to do a short demonstration about how you can take video that you've created. You can combine it with photos and audio that you have on the web into a movie that can be shared online. This is all done through Web sites. There's a few different

ones. The one I'm going to show you is called jumpcut, and this is a service offered by Yahoo, and it lets you combine all of your multimedia clips into a single movie. When you first go to jumpcut, you log in, and I'm going to make a quick video about deforestation, and a nice feature of jumpcut is that you can use other people's media and grab it and use it for your own video. Deforestation, it's just about, like -- people cutting down trees and contributing to global warming, so just as a sample. When you search for topics, you get various images and video clips that you can use. I'll click on this first one, which is just a news report, and then there's a remix button on the bottom. If you click that, it opens up an editor that you can see. There's your video preview. Over here are various properties that you can edit, like adding transitions and titles, and then down below is where all of your clips show up in like a story board. So the first thing I want to do is trim down this video.

Because I don't want to use the whole thing, so I'll just drag this arrow to the point where I want the video to start, and I'll drag the other side to the point where I want it to end. And then I want to add some media of my own, and I've already uploaded it, but if you have any, it's a very simple process. So I'm just going to select what I already have, which is a couple of images and a video clip. And then I just drag down the clips down below. So now I have them in the order that I want, and then I'm going to add a transition between each clip. So you click on the first one, then you go to clip and select, which you want, and you'll see it adds this little yellow bar. And that's the length of your transition, which you can change if you want. And the images, you can set how long you want them to display. And transition. I'm going to just quickly do the same thing. And the last one, instead of a transition, I'm going to make the duration a bit longer and I'm going to do a fade out effect because it's the last clip of my video. So I click Effects and then find fade out, and I'm going to adjust the length of that so it's a bit shorter. And I'm going to go and click Add, that will apply it. And then I want to do the same thing at the beginning of the

video, so I'm going to click Fade In, and adjust that. And real quickly, I'm going to add a title to this video clip I have. And there's lots of different title parts that you can choose from and you can preview them all. I'm going to click Subtitle, which just enters some text at the bottom. Okay. And then click Add. And that's it. That's just a few of the simple things you can do. You can add more effects if you want, but just for the sake of time, I'm going to leave it at that. You can also add audio tracks. And when you're done, you can preview all of these effects as you're working through it, also. When you're done, click Publish, type in a title, tags which will help people identify your various clips. And then you can choose if you want them to be public or private. If you keep it private, other people can't use it for their own. But if you make it public, then other people have access to your media. So click Publish. And now you can pass out this URL, or you can click Post and Copy and embed the code into your own blog, or whatever you have. But people can see your video. The destruction of the Amazon is a major source of carbonations driving global warming.

>>CATHY CLARKE: So you can see how it just adds those transitions in between your clips and your subtitles, so you can really do a lot with this tool. And it's already on the

web, so everyone can get to it. So that's my short demo of jumpcut.

Now I'll switch back. There are other sites also that can do the same thing. But that's a really good example.

>> We're going to have to move on to questions now. I think the three of you make it look so easy, but I'm sure folks have several questions they may want to ask. We have a few minutes left for that. So would you raise your hand if you have a question. Right here in the middle. Use the mic, please.

>>AUDIENCE MEMBER: I was wondering how you guys handle captioning or anything on this? Do you manually put it in? I know when obviously when it's signing, it's not necessary, but any other times, like the video that you're putting in like that.

>>SIMON TING: I was going to show how we do that. We can show you quickly here.

This is a video from YouTube. We have a caption button here. Please click that.

On this Web site you see they divided these into clips with

the start time and the stop time and this is where you can enter captioning for your video.

>> This is the history of YouTube. This is a story about three friends --

>>SIMON TING: The video is kept on the YouTube server. The captions are kept on our server, and on our web page here on IdeaTools, you can see how it's combined.

After you hit that captioning button, you see the YouTube video, and then you can click on the start button. When it reaches the beginning of the segment that you want to caption, it will pause. Click on Set Show. And then the time will be moved on down to that window. And then when you set the high, that's the end of the segment that you want to caption. You click on Set Hide, that will come down there and then when you save the captions they will be saved on our server, but the video will be kept on YouTube server. Right now, this is only working in our IdeaTools software. We're hoping that eventually this could be developed into some kind of Web 2.0 Web site that can be accessed by everybody on the internet. You know, similar to some of those applications that we were just showing you.

>> Question here.

>>AUDIENCE MEMBER: I have two questions. If you videotape, do you have to get waivers from the people, you know, waivers from people because it's public?

>>SIMON TING: You assume that if you can see the video, if it's accessible to people, then you're allowed to work with it. If it's private, our server won't let you see it. So you can copy and paste your YouTube video link. If it's got a URL that's accessible to the public then it's okay.

If it's a private video you won't be able to get the URL, and so that won't be an issue. So you can start captioning this video because it is accessible to the public.

>> Can you ask him at the end on your own? Because -- I'm sorry, see people are starting to leave. We really want to ask you to do your evaluation form. You can go to the NTID learning center to log in to the Web site for the tech symposium and do it there. If anyone would prefer a paper copy, I have maybe ten or so of them here that you can pick up.

I want to thank Simon, Cathy and Regina for their excellent presentation, and if anyone has extra questions you can come up front. But thank you again for coming.

[Applause]

>>SIMON TING: There will be two other related

presentations. One will be on Tuesday at 1 p.m., multimedia lesson design for the design novice, and there will be showing more Web 2.0 Web sites.

And then Wednesday there's another workshop, video conferencing using open source software and we will be showing you live Webcam streaming for distance learning and communications. This is an application we've created here ourselves.

If you have the time, we'd be happy to see you there.

[Applause]

>> For your evaluation, the session number is M1.