

WP4

Media Content Interaction & Accessibility

Year 2 meeting

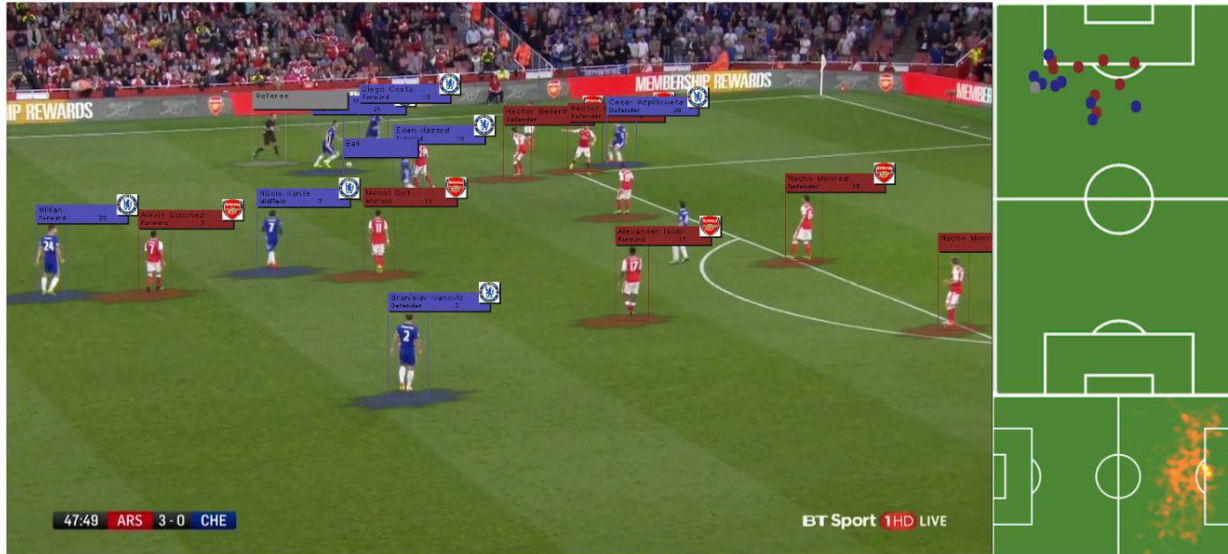
November 2022

FootyVision – An Automated Approach to Football Player and Ball Detection, Tracking, Augmentation, and Identification.

Peter Andrews, Ph.D. Candidate, [MediaFutures](#) WP4.



Retrieve information from flat, un-calibrated, un-interactive linear media using state-of-the-art Computer Vision and Deep Learning Algorithms. Use this information to hyper-personalize the end users experience.



[FootyVision](#) develops real-time statistics from live matches while performing player and ball localization to help the user better contextualize the match.

This information provides groundwork for an interactive environment where information can be personalized on a user-to-user basis.

Jonathan Geffen, PhD student: Newsgames for younger audiences

- **Newsgames** are digital games which accompany and illustrate news stories
- Existing research on newsgames is focused on **young adults**
- Our research project investigates the **design and experience of newsgames for children**
- We also intend to explore the **accessibility and social play** potential of newsgames
 - Designing newsgames for **Intergenerational Play**
 - Designing newsgames to support **children with special education needs**



Screenshot from FT's Uber Game - <https://je.ft.com/uber-game/>

Research students: Incoming Secondments

PhD level:

Floris van Hofen, UiB (N):	Collaborative marine AR
Ziming Wang, Chalmers (S):	Social Drones
Yuchong Zhang, Chalmers (S):	AR for industrial processes
Adam Nowak, Lodz (PL):	AR for industrial processes

Master level:

Cyriak Heierli, ETH (CH):	AR for marine process and control
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HCI, ID, and MIX Master projects

With **NRK/Schibsted**: AR News2

With **TV2**: Image search system. Presenting metadata

With **BT**: Digital journalism. The reading experience

EU COST Action on Media Accessibility

European Cooperation in Science and Technology
research network on Media Accessibility.

=> NRK



Pilar Orero



cost

EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY

Planned conference:
ACM VRST 2024 in Bergen, Oct/Nov 2024

VRST2024

VRST 2017

23rd ACM Virtual Reality Software & Technology Conference

Gothenburg, Sweden, 08 - 10 November

Planned conference: ACM VRST 2024 in Bergen, Oct/Nov 2024



VRST2024

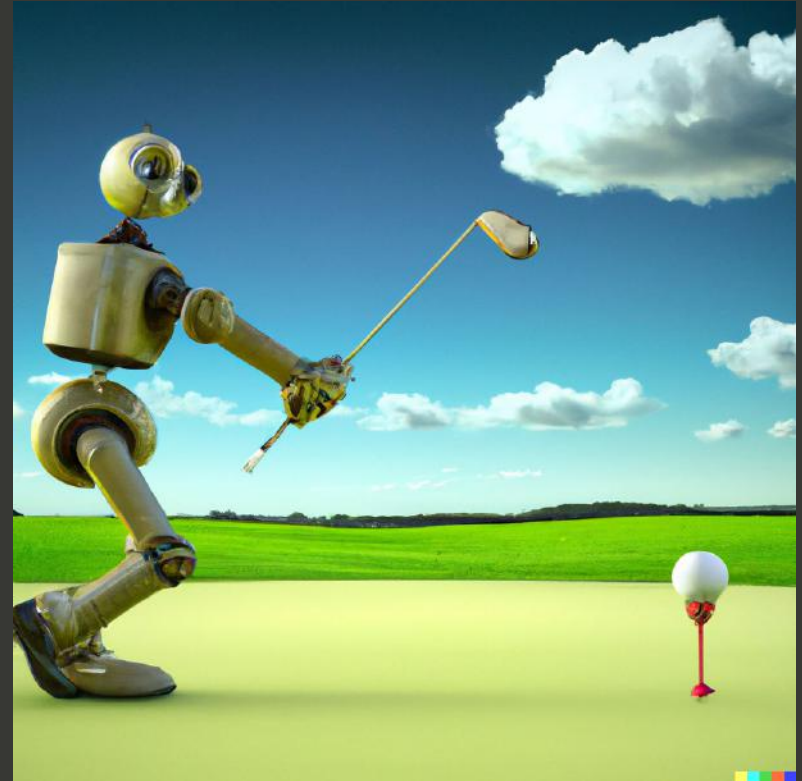
We welcome:

Workshops, e.g., on AR/VR in media
-Conference dinners sponsors (1, 2, 3)

Year 2 advances

Aim high!

- New demonstrations
- New ideas
- More collaboration



Dynamic Aspect Ratio

- Fully automated
- Every frame
- Smooth tracking



Eye tracking experiment



Nose centering



New challenge

Textual radio



Fully automated



Uansett at denne saken nå, forhåpentligvis, gjør at den endelig tar barnevernet på alvor.

På samme måte som, jeg synes, skoleforfallet i sin tid, der på en måte barn ble syke av å være på skolen fordi skolebyggene var så dårlige, førte til en sann, ok, nå må vi faktisk puste opp alle skoler i denne byen, og det på en måte førte til en sann stor endring.

Så kan kanskje dette være en sann sak som faktisk gjør at etter at vi har diskutert barnevernproblemene der så lenge, så blir det faktisk umulig å ikke gjøre noe å følge opp barnevernene framover.

Og så er det noe med at når det gjelder ungene våre, akkurat som skoleopplysninger, så er jo denne saken så røstende.

At den type følelsesmessig sterke saken sitter lenge i folk, og sitter djupt i folk, tror jeg. Så dette kommer ikke til å forsvinne.

Det er jo på en måte helt jævlig, men også kanskje bra hvis det kan hjelpe noen andre.

Det er vel det eneste gode som kan komme ut av dette, ja.

Oga, det er veldig mye alvor og tunge ting her. Statsbudgett er tungt nok, og dette, altså Bergens politikk, er i alle fall tung.

Etter vada, skulle inte du, om du kom til Kepler 186f.

Och den här välkomstmittnen berättade på välkomstsöaren.

För att det finns något som heter Keplerpriset.

Skulle du säga då, vem vann ekonomipriset?

Nej, men det beror ju på att jag är intresserad av kultur.

Men okej, jag fattar, det var det priset som säger mest om människan, om människans indre.

Ja, visst, absolut.

Och då menar jag, finns det inte ett problem då?

När den här alien, den här hypotetiska alien kollar upp vinnaren 2022.

Kollar upp vinnarna de senaste 10, 15 åren.

Skulle inte alien få en liten skev bild av den mänskliga själen?

Jag vet inte, för det menar jag att det inte speglar.

Eller jag, alltså vad menar du?

And that's certainly what Asimov has, who was a chemist.

Asimov

And I mean, Frank Herbert's mind was extraordinary.

Frank Herbert

But he was really interested in ecology and biology and science.

Ray Bradbury, bit more of a kind of fantasy crossover figure, softer science fiction.

Ray Bradbury

He was not so keen on hard, extrapolative kind of science fiction.

And in the 1930s, there is just simply a place for people like that to publish an awful lot of stuff and kind of grow up in public, really.

And it's very unusual community in that they have very active letters pages and the letter writers themselves become writers.

Vesterålen

Så det var jo å reise det gjennom langkysten, med sats og videre til Vesterålen, opp og ned og kanskje flere ganger mån, samtidig som jeg hadde full guffe hermede, og så gikk det over en del år med en sann 70, 80 timers arbeidsuke.

Etter hvert drev jeg såpass mye gratisarbeid og såpass mye dårligbetalt arbeid, at jeg var nødt til å jobbe, jobbe, jobbe ekstra med alt annet for å ta inn det svinnet jeg selv skapte.

Men hvorfor jobber du gratis? Hvorfor tar du deg dårligbetalt? Får du ikke inn penger?

Jo da, jeg får inn penger, og tjener også brukbare penger, men i forhold til hvor mye jeg jobber så har jeg ikke nok inntekt. Men jeg prioriterte ofte, for jeg tok det de som jeg trodde trengte det mest, og så dårlig forretning.

Var det også et veldig høyt forbruk i familien Drevland?

Ja, altså forbruket var ikke lavt, selvfølgelig var det ikke det. Og det var jo også sann i perioder at jeg hadde tok opp private lån for å finansiere skatt og avgifter og ting som kom for å holde det under livet.

Combining DAR & FancySubs



NRK TV

Fotball-VM

Idar Johannessen

Jeg skal se så mye jeg kan. Tror ikke det har den minste betydning om ikke..

Også må vi skille mellom forskjellige ting her, fordi det vi snakker om er idretten, altså idrettens framtid.

NRK Nyheter









#nrkdebatt



Også må vi skille mellom forskjellige ting her, fordi det vi snakker om er idretten, altså idrettens framtid.

Test it yourself

<https://wp4.demos.mediafutures.no/>

 <p>Debatten</p> <p>MediaFutures edition of <i>Debatten</i>, 1. November 2022 Includes dynamic aspect ratio (MediaPipes AI), Fancy Subs (Automated, Whisper++).</p> <p>MultiDevice Video ChatStyle ChatInfo Official subs</p> <p>SingleDevice Video ChatStyle</p>	 <p>History Extra Podcast</p> <p>MediaFutures edition of <i>History Extra</i>. Fully automatic using Whisper (large) and nvvad/speakerverification (starex) (large) for transcribing and speaker identification. Info links are based on a Norwegian trained network for annotation combined with simple Wikipedia searches.</p> <p>MultiDevice Without info With info</p> <p>SingleDevice Without info With info</p>	 <p>Ballspark</p> <p>MediaFutures edition of <i>Ballspark</i>. Soccer discussion (in Norwegian), quite heavy Bergen dialect. Fully automatic using Whisper (large) and nvvad/speakerverification (starex) (large) for transcribing and speaker identification. Info links are based on a Norwegian trained network for annotation combined with simple Wikipedia searches.</p> <p>MultiDevice Without info With info</p> <p>SingleDevice Without info With info</p>	 <p>NEWS in English</p> <p>News in English</p> <p>MediaFutures edition of <i>News in English</i>. Created for Norwegian school pupils. Added some relevant articles manually, otherwise automated. Texts created fully automatic using Whisper (large) and nvvad/speakerverification (starex) (large) for transcribing and speaker identification. Info links are based on a Norwegian trained network for annotation combined with simple Wikipedia searches.</p> <p>MultiDevice Video TextCast</p> <p>SingleDevice Video TextCast</p>
			

Collaboration

Bergens  Tidende





Understanding The Podcast experience

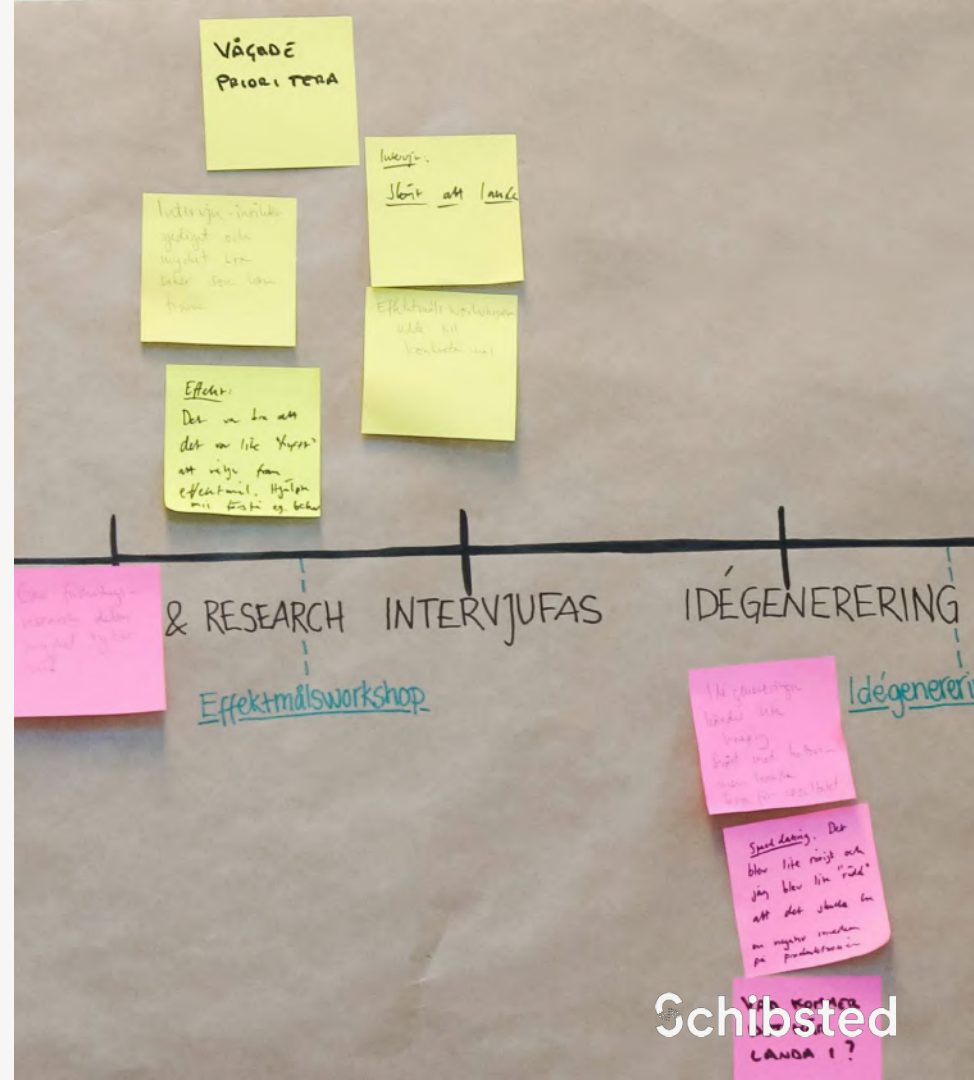
Jan 2022

Marcus Rydling, Pernilla Danielsson

Intro

The goal was to get better insights of users podcast habits and how the user journey of listening to podcasts on our platforms was.

This presentation is a summary of all podcast research made in 2021. Combined interviews from 30 persons both from Norway and Sweden.



Podcasts in social media

- Most people we talked to didn't follow a podcast or a podcast's hosts on social media
- But many of the frequent listeners who were fond of the podcast hosts followed them in some way
- Those who followed a podcast on instagram said that they liked when they posted behind-the-scenes images or showed something visual that was referenced in the podcast.
- We have also noticed that discussions about episodes can take part on social media, as a part of extending the podcast. Some listeners really wants to give their comment on the latest episode.



What if we could give our listeners the opportunity to discuss episodes on our platform ?

Looking up material

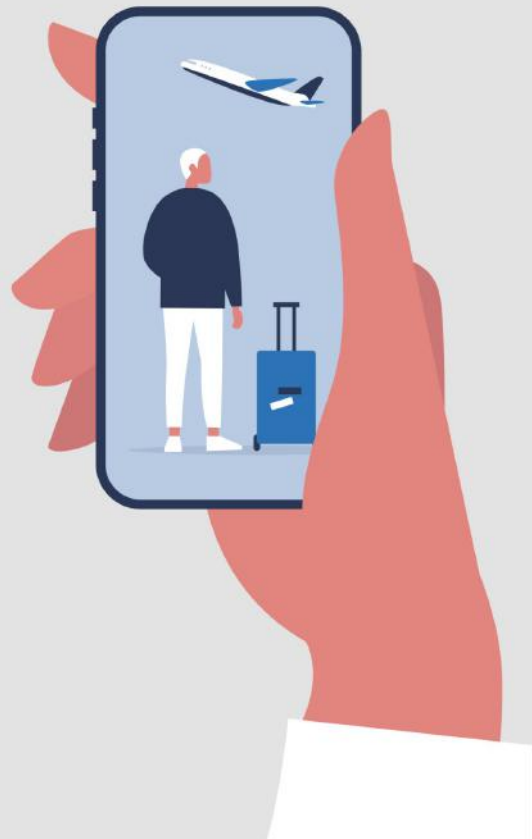
Everyone we talked to claimed that they, in some way, had looked up something discussed or mentioned in a podcast.

It could be anything from a picture of a murder victim, to places on maps, to what a podcast host's painted sneakers looked like.

Most people said that they were doing this at the same time as they were listening



What if we could give our listeners a richer media experience in our podcast players?



Enriched podcast experience

Providing visual content to end-users inside the podcast experience will solve a defined user need.

Auto generating this content would not take up valuable resources in the newsroom.

We can repurpose UI designs from our own live feed Q&A component.

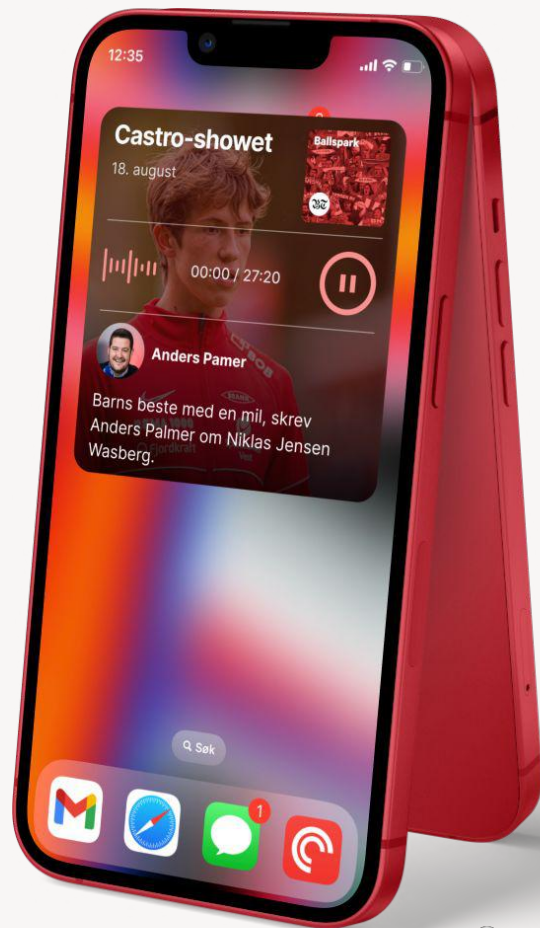


Homescreen widget

If we can enrich podcasts with additional content like this, we might also make it even more accessible and timely.

Display this content on home screen, or even on lock screen.

[Demo from hackday](#)



Elevkanalen - TV2 Skole

<https://app.elevkanalen.no/>

Media
Futures ●

Thank you
for your attention

Contact information:

njbo@norceresearch.no

Research Centre for Responsible
Media Technology & Innovation
Project number 309339



Hackathon - Bergens Tidene



Hackathon - Bergens Tidene



TV2 Skole

The screenshot displays the TV2 Skole app interface. On the left, a sidebar menu shows the current lesson plan under the heading "Lærers time 2". The menu items are: "Sesong 1" (expanded), "Episode 1", "Episode 2", "Episode 3" (highlighted), "Episode 4", "Episode 5", "Episode 6", "Episode 7", and "News in English week 44".

The main content area shows the details for "Episode 3":

Episode 3:
Hvordan ta imot nye barn i klassen? Episoden handler spesielt om å ta imot barn som kommer fra Ukraina.

Below the text is a video transcript with a dark background and white text. The transcript includes the following text:

... i klasserommet.
hvor alle sammen satt ved pultene sine og læreren allerede var i gang med undervisningen.
Det gjøres jo ikke sånn lenger, og det er en grunn til at det ikke gjøres sånn.
Det fungerer nemlig ikke særlig godt.
Så jeg må si at jeg tror for det første at det er å treffe eleven og kanskje også foreldrene, eller også foreldrene, alene med læreren.
Vise frem skolen, vise frem hvor den er, vise frem klasserommet.
At det er etablert en trygghet før eleven kommer inn og treffer de andre barna, er virkelig viktig.

Below the transcript are two comments from users:

- User 1: En trygghet til de fysiske lokalene og hele stedet?
- User 2: Fysiske omgivelsene og lokalene, men også at du er en lærer som vil den nye eleven vel.
Fordi det å komme inn i et rom hvor det er én som du vet vil deg vel,

Collaboration!

The demos and conversations with WP4 has inspired a lot of enthusiasm in VG and Aftenbladet, and has already enabled us to significantly level up the quality of our video subtitling and the efficiency of our podcasting department.

Eivind Throndsen, Academic liaison, Schibsted



Johannes Andersen 2:53 PM

Helt sykt bra 🥰

Takk!