REIMAGINING (MAP) NAVIGATION

Daniel Meusburger
Fundamentals Situated Interaction
30 September 2016
3 RELATED TOPICS

ROUTELENS
“ I WANT TO EXPLORE A ROUTE”

JELLYLENS
“I WANT TO SEE THE IMPORTANT STUFF”

AURIGO
“I WANT TO DO A TOUR”
EASY ROUTE FOLLOWING FOR MAP APPLICATIONS

ROUTELENS

“I WANT TO EXPLORE A ROUTE”

Jessalyn Alvina
Caroline Appert
Olivier Chapuis
Emmanuel Pietriga

PAN AND ZOOM

POINTS OF INTEREST

OVERVIEW + DETAIL
FOCUS + CONTEXT
EASY ROUTE FOLLOWING FOR MAP APPLICATIONS

ROUTELENS

“I WANT TO EXPLORE A ROUTE”

Jessalyn Alvina
Caroline Appert
Olivier Chapuis
Emmanuel Pietriga

STANDARD FISHEYE LENS

WITH ROUTELENS
RouteLens
Easy Route Following for Map Applications

Jessalyn Alvina  Caroline Appert  Olivier Chapuis  Emmanuel Pietriga
EASY ROUTE FOLLOWING FOR MAP APPLICATIONS

ROUTELENS

“H WANT TO EXPLORE A ROUTE”

Jessalyn Alvina
Caroline Appert
Olivier Chapuis
Emmanuel Pietriga

INSTRUMENT

YES, THE LENS.

CO-ADAPTIVE

NO USER APPROPRIATION OF THE LENS PARAMETERS E.G. SIZE, FORCE (ONLY POSITION).

LEARNABILITY HIGH, BECAUSE OF SIMILARITY TO PHYSICAL LENSES. SUBTLE FEEDBACK
CONTEXT-AWARE ADAPTIVE LENSES

JELLYLENS

“I WANT TO SEE THE IMPORTANT STUFF”

Cyprien Pindat
Emmanuel Pietriga
Olivier Chapuis
Claude Puech
CONTEXT-AWARE ADAPTIVE LENSES

**JELLYLENS**

“I WANT TO SEE THE IMPORTANT STUFF”

Cyprien Pindat
Emmanuel Pietriga
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Claude Puech

INSTRUMENT

YES, THE LENS.

CO-ADAPTIVE

NO USER APPROPRIATION OF THE LENS (POINT OF INTERESTS ARE IN DATA)

SIMILARITY TO PHYSICAL MAGNIFYING LENS, NO SEPARATE LEARNABILITY FEATURES
AN INTERACTIVE TOUR PLANNER
FOR PERSONALIZED ITINERARIES

AURIGO
“I WANT TO DO A TOUR”

Alexandre Yahi
Antoine Chassang
Louis Raynaud
Hugo Duthil
Duen Horng (Polo) Chau
Choose your itinerary

- I want to build my own path

Starting address: Ingrese un lugar
Final address: Ingrese un lugar
Type of walk: Light walk  Regular walk  Long walk

Your interests

Monuments: ★★★★★
Movies: ★★★★★

Museums: ★★★★★
Parks: ★★★★★

Go  Reset
AN INTERACTIVE TOUR PLANNER FOR PERSONALIZED ITINERARIES

AURIGO

“I WANT TO DO A TOUR”

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INSTRUMENT

? (FILTER, TYPE OF WALK)

CO-ADAPTIVE

NO APPROPRIATION OF THE TOOL ITSELF
NO GUIDANCE TO LEARN
<table>
<thead>
<tr>
<th></th>
<th>ROUTE LENS</th>
<th>JELLY LENS</th>
<th>AURIGO</th>
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<tbody>
<tr>
<td>REIFICATION</td>
<td>Magnification (object: the lens)</td>
<td>Magnification (object: the lens)</td>
<td>Route, reify path selection + finding POI</td>
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<td>POLYMORPHISM</td>
<td>No, only map (routes)</td>
<td>Yes, different types (geometry, bitmaps, applications, websites)</td>
<td>-</td>
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<tr>
<td>REUSE</td>
<td>Use the same lens at different places</td>
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<td>Save and share routes</td>
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<td>SUBSTRATES</td>
<td>Set of rules of how mouse is attracted (adapted steering law)</td>
<td>Set of objects of interests which affect the behavior of the instrument</td>
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Currently Extension
REFERENCES

