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Multimodal Interaction Technology


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Contemporary and Forward Looking

TOPIC 7: OLFACTORY INTERFACES



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Introduction

- The sense related to smell.
- Devices that provide users with information through smells.



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Odorants can be produced from



Liquid



Microcapsule



Gel



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Generating smell

- Vaporization
 - Liquids that are stored in container undergoes natural evaporation process.
- Blending
 - Blending odours can be done either in liquid form or after vaporization.



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Issues

- Smell can hover around.
- Hard to differentiating smells.



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Applications

- Home theatres
 - Smell-O-Vision Screen (e.g. smell of fireworks)
- Computer gaming and entertainment enhancement
 - Scent Delivery System (SDS)
- Mobile technology
 - Perfume phone



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Conclusions

- Depend on chemical stimuli.



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THANK YOU

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