Graduate & PhD Course: **Measuring Dietary Behaviour the intelligent way,** November 23--25, 2015, Shanghai

Zhichao Kuang

2015.11.24, Nordic Centre, Shanghai, China

Impressions from

Food4Growth/dVices4Food International Food&Devices Week

Aalborg University Copenhagen

Copenhagen, Denmark
August 24 – 28, 2015

Learning in the campus

Section   1

Kuang Zhichao
PhD Student
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dVices 4 food   Food Tura   FOODSCAPE LAB   Food4Growth

UNIVERSITY OF EASTERN FINLAND   AALBORG UNIVERSITY COPENHAGEN

Training & Research Course
ICT Assisted Methods for Measuring Diet & Behaviour in Complex Foodscapes

August 24-27, 2015

Aalborg University
Frederikskaj 10
Room FKJ 10A/2.160
Copenhagen
Denmark

what is the ICT assisted Methods and how they work?
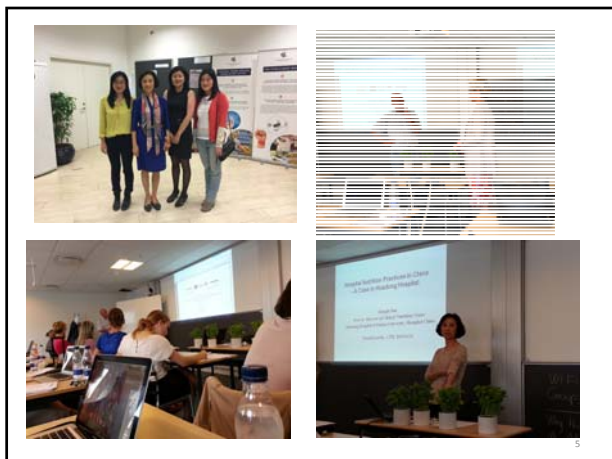
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DENMARK

4

ICT assisted methods for measuring diet & behaviour in complex foodscapes

- 4-day training course:
  - 5 credit PhD-level course
  - Day 1: introduction + expert lectures
  - Day 2: hands on experience on eButton, DIMS, and foodscape tracker
  - Day 3: hospital visit + presentation preparation
  - Day 4: expert lectures + presentations

16 participants from different institutions

- Wageningen University, Netherlands
- Amsterdam University of Applied Sciences, department Nutrition and Dietetics, the Netherlands
- Karolinska Institutet, Section of Applied Neuroendocrinology
- Università della Svizzera italiana (USI) in Lugano, Switzerland
- Consumer Science and Health group of WUR-FBR
- Fudan University, Shanghai, China
- Metropolitan University College in Copenhagen
- Aalborg University
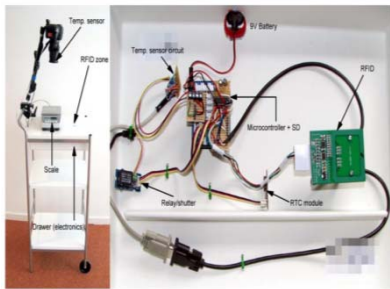- Aalborg University Hospital

Techniques mentioned in the course& conference

- Dietary Intake Monitoring System(DIMS)
- Nu3Monitor
- eButton
- Foodscape tracker   Answers
- NANA touchscreen technology
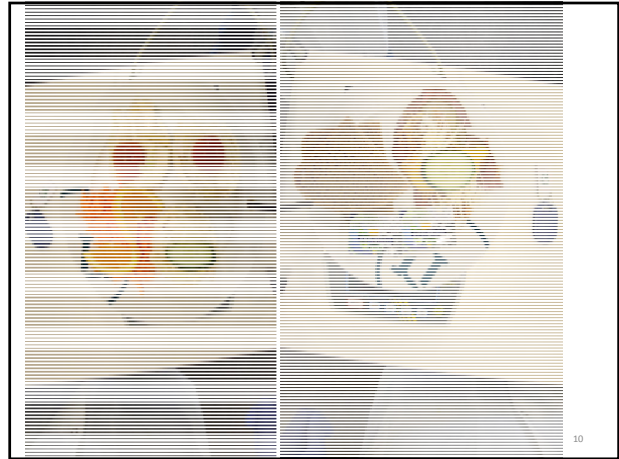- HeatMapping the buffet
- Virtual Food Choice Simulator

Dietary Intake Monitoring System (DIMS)

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Nu3Monitor
– Taking DIMS to the next level

DIMS 2.0: new DIMS base system is ready and working
New imaging system: implemented, works
New interface: implemented

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HOW IT WORKS

1) Put the meal on
2) Swipe identification transponder
3) Wait 1 second
4) DONE

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eButton

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Foodscape tracker

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Track B
ICT-devices in Community Foodscapes
- Aalborg University Tuesday August, 25 2015

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NANA
(Novel Assessment of Nutrition and Ageing)
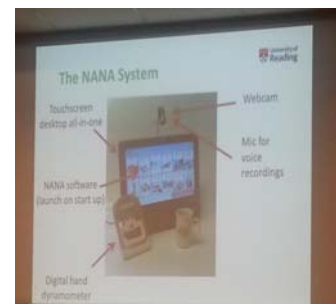
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HeatMapping the buffet

Uncovering food choice dynamics
- What is our pattern of movement round the cafeteria? How much time do we spend each place? Who is interacting with who?
- These questions are important when researchers want to understand behavior in our daily foodscapes.
- And equally important when designers want to design our supermarket or canteen in a healthier way.
- Thorough analysis by hand is time consuming and expensive
- The HeatMapper is a convenient and cost effective automated alternative.

HeatMapping the Buffet

Heatmapping the SuperMarket
the Noldus tracklab approach
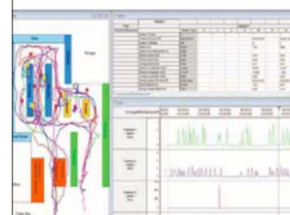
Virtual Food Choice Simulator

Gamifying Nutrition Education

Thanks for your attention!

Yan Wang & Zhichao Kuang
2015.11.24
Shanghai, China