

# Responsive Design

Jogesh K. Muppala



THE DEPARTMENT OF  
**COMPUTER SCIENCE & ENGINEERING**  
計算機科學及工程學系

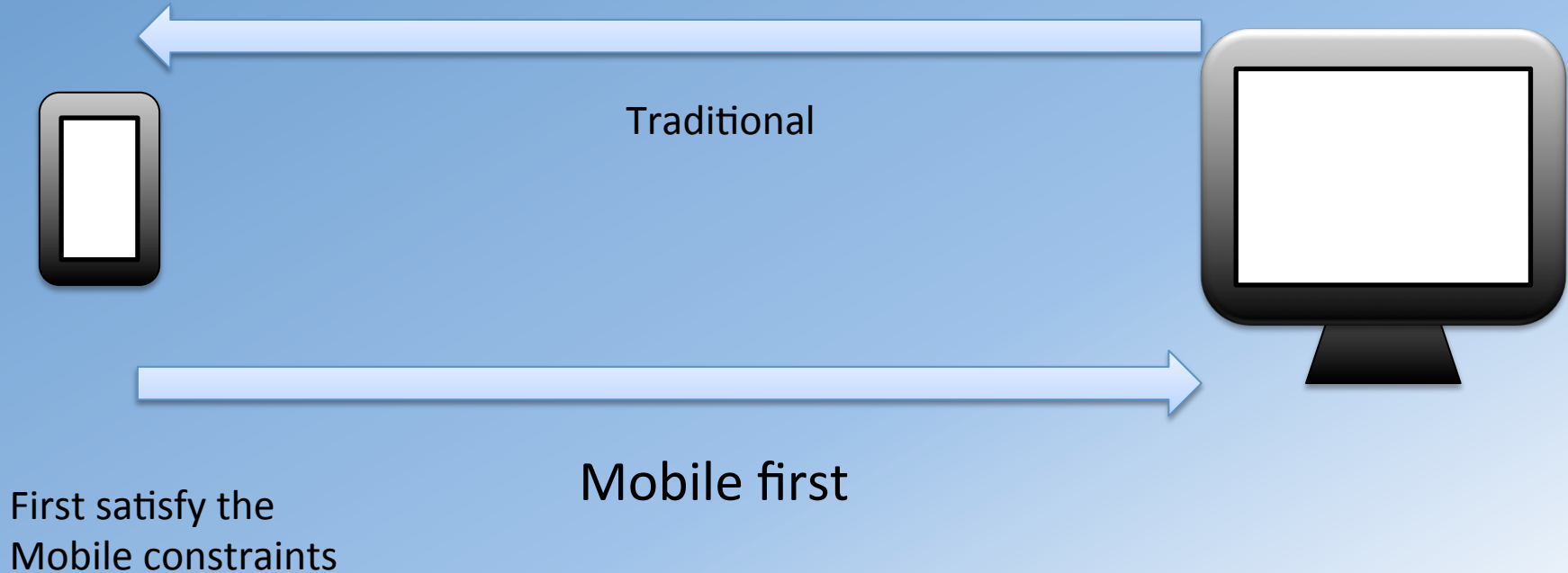


香港科技大學  
THE HONG KONG UNIVERSITY OF  
SCIENCE AND TECHNOLOGY

# Why Responsive Design?

- Users increasingly accessing websites from a variety of devices of different screen sizes
- One size fits all no longer a possibility!
- Adapt to the user's "viewport"
  - Build it into the core of the site

# Mobile First Design



# Foundation for Responsive Design

- Grid system
  - We'll deal with Bootstrap Grid system next
- Fluid images
  - We'll look at Bootstrap support later
- Media queries

# Media Queries

- CSS technology to apply some styles based on the size of the viewport

e.g.,

```
@media screen and (min-width: 600px) {  
    /* CSS styles customized for desktop */  
}
```

# How do we do this?

- For beginners, start with a UI framework with responsive design built-in
- Once you get sufficient experience, then you can tweak the framework settings to suit your needs