

A Comparative Study: Insight Into The Use of IT in Local Architectural Practices

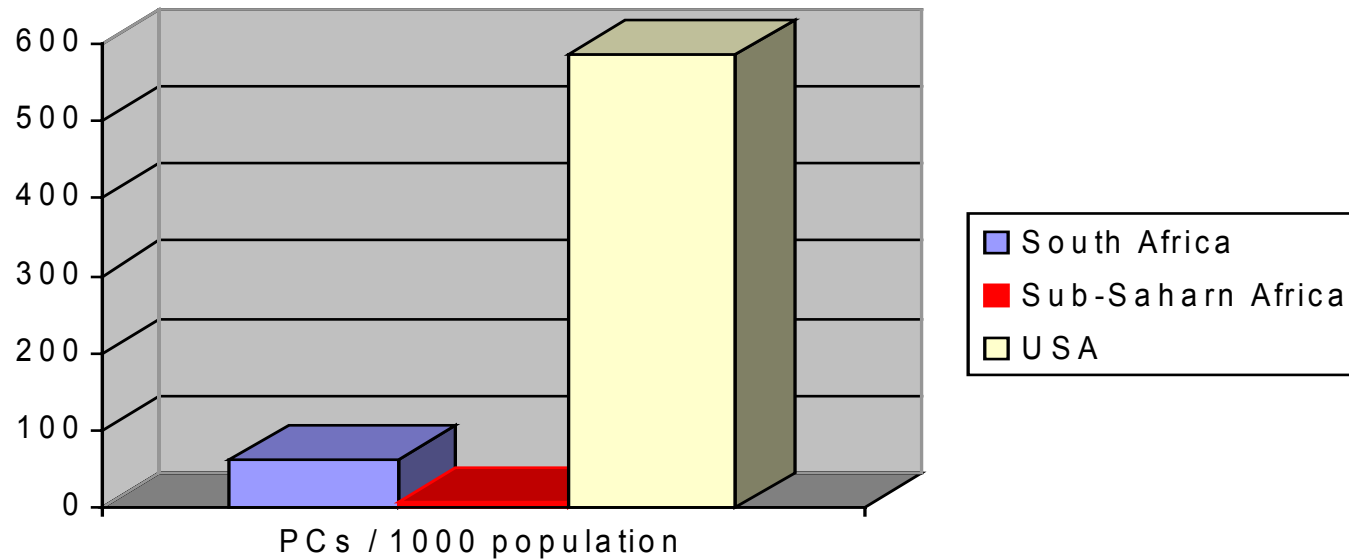
Azza Arif School of Construction Economics
and Management

Aly Karam School of Architecture and
Planning

University of the Witwatersrand
South Africa

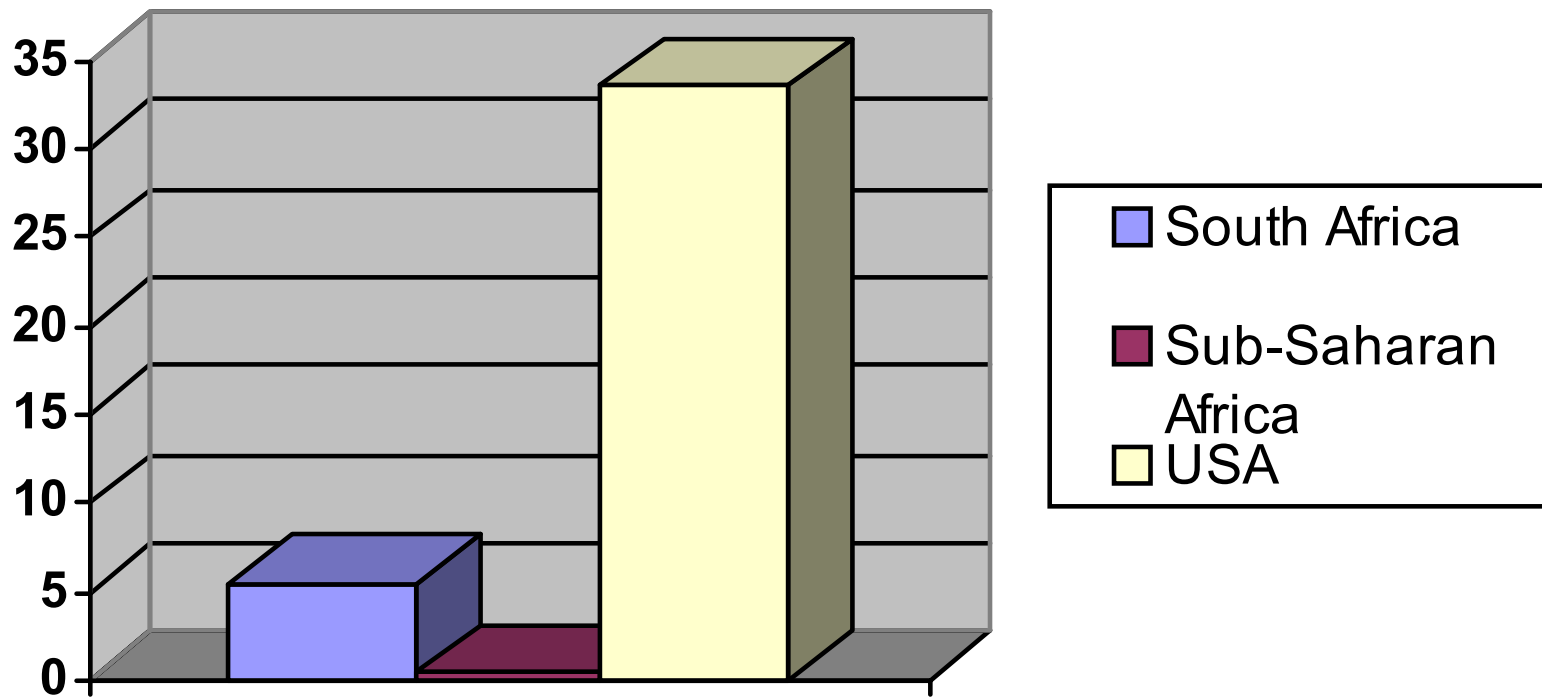
IT And Architecture

Figure 1: Ratio of Personal Computers in S.A. compared to the Region and USA



*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*

Internet Use



*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



Results and Comparisons



1. Response and Respondents
2. General IT Usage
3. Use of Computer-Aided-Design (CAD)
4. Use of Networks

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



1. Response and Respondents

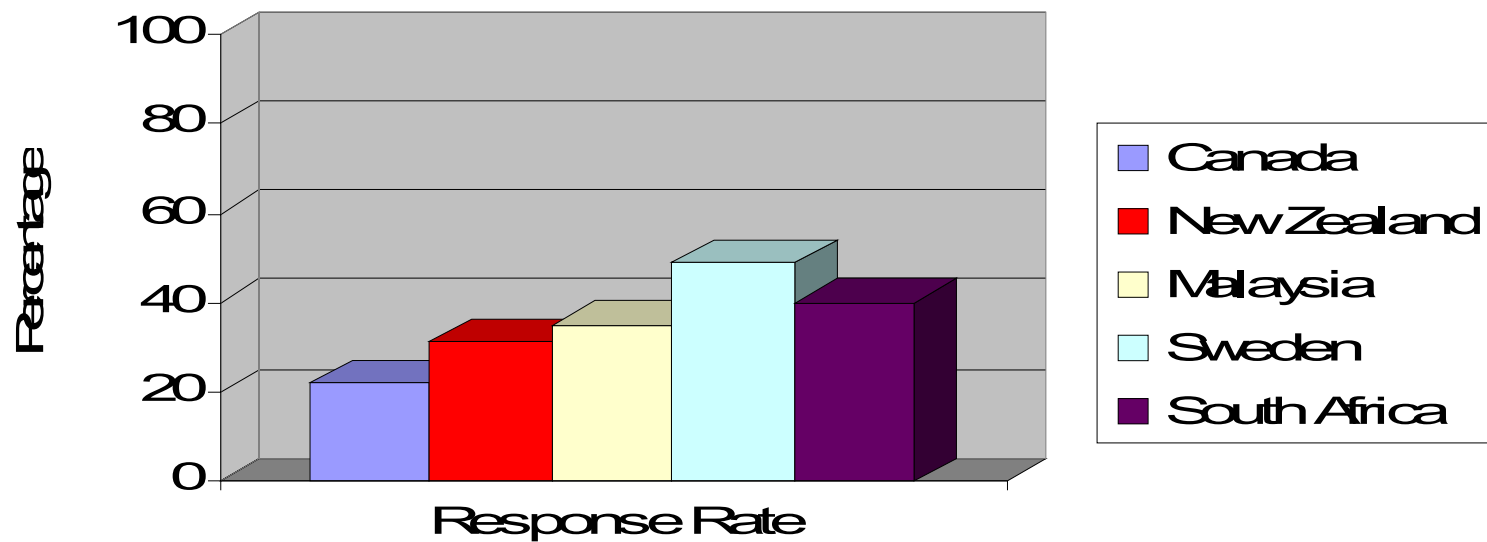


- ◆ Response to the Questionnaire
- ◆ Respondents Profile

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*

Response to the Questionnaire

Figure 2: A Comparison of Response Rates



*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



2. General IT Usage



- ◆ IT Usage in Practice
- ◆ Areas of Main Use

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



3. Use of Computer-Aided-Design

- ◆ CAD Users
- ◆ CAD Packages

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



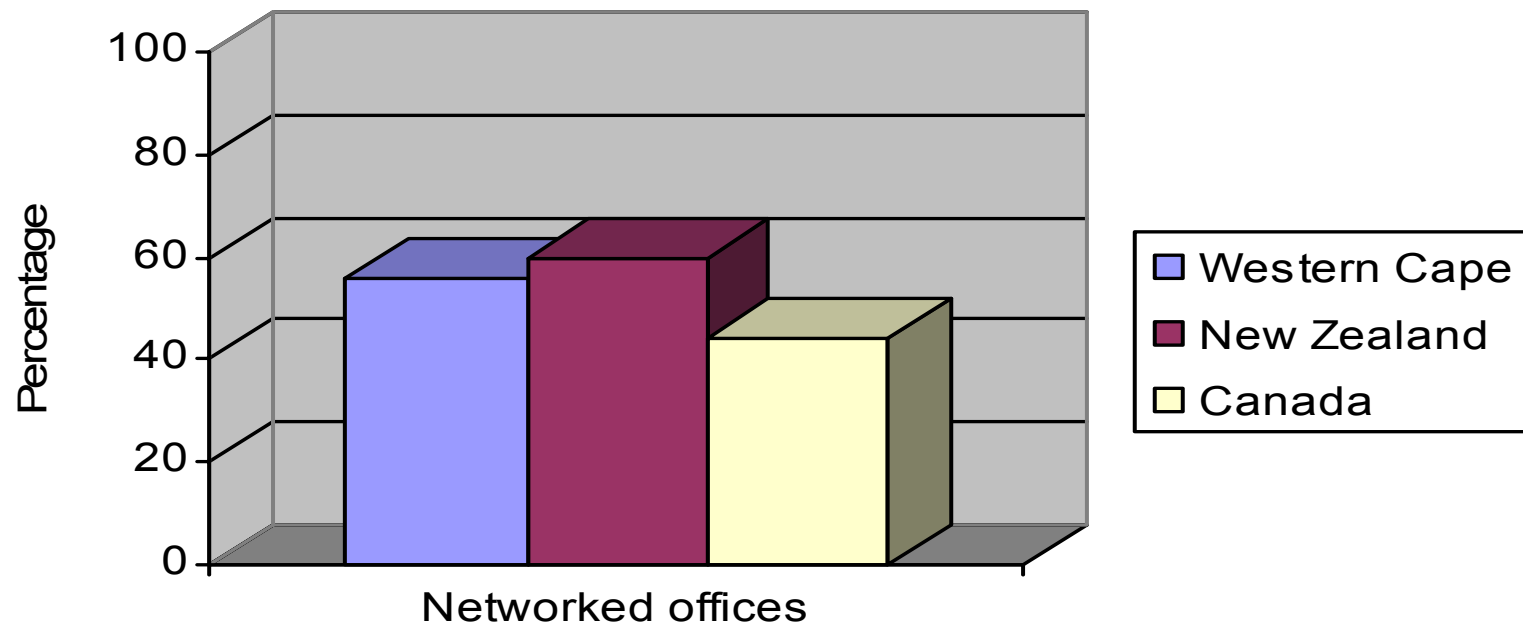
4. Use of Networks

- ◆ Local Area Networks
- ◆ Electronic Mail
- ◆ Internet

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*

Local Areas Networks (LAN)

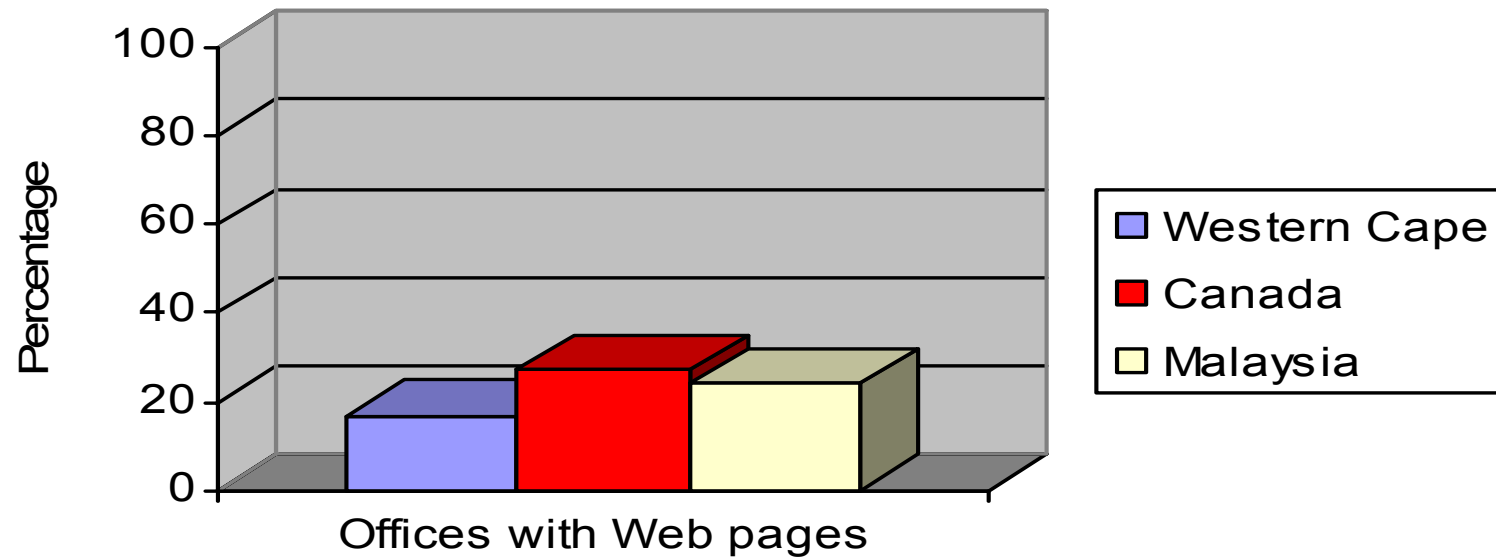
Figure 3: Percentage of Offices with LAN



*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*

Internet

Figure 4: Percentage of Offices with Web Pages on the Internet



*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*



Conclusion

Computers when “fully implemented in an architectural practice offer South African architects an opportunity to reedem their professional status, compete profitably on the global market.” (Illingworth, 1999)

*Azza Arif & Aly Karam
University of the Witwatersrand,
South Africa*