

一. 英翻中 (40%)

A number of practical usage scenarios well suited to UWB have been identified (Fig. 4). In these scenarios system implementations based on UWB-RT could be beneficial and potentially welcome by industry and service providers alike:

- *High-data-rate wireless personal area network* (HDR-WPAN)
- *Wireless Ethernet interface link* (WEIL)
- *Intelligent wireless area network* (IWAN)
- *Outdoor peer-to-peer network* (OPPN)
- *Sensor, positioning, and identification network* (SPIN)

The first three scenarios assume a network of UWB devices deployed in a residential or office environment, mainly to enable wireless video/audio distribution for entertainment, control signals, or high-rate data transfers. The fourth scenario presents a deployment in outdoor peer-to-peer situations, while the fifth takes industry and commercial environments into account. The identification of common elements among the scenarios listed and the optimization of system cost, coverage range, data rate, localization precision, battery burden, and level of adaptability to channel conditions are still tasks ahead. But assuming adherence to FCC regulations in principle, some preliminary considerations can be given to the individual scenarios.

(Source: Domenico Porcino and Walter Hirt, "Ultra-Wideband Radio Technology: Potential and Challenges Ahead", IEEE Communications Magazine, July 2003)

二. 文法改錯與選擇 (60%, 一題六分)

請選出下列各題中文法有錯誤的地方並改正之, 如下例題所示:

例題: The continental divide refers to an imaginary line in the North American Rockies that divides the waters flowing into the Atlantic Ocean from it flowing into the Pacific.

A B C D

答案: D 錯, 應改為 those

1. When television was first introduced, the extent to that it would affect society could

A B C

not have been foreseen.

D

2. Mosquitoes usually lay eggs, singly or in batches, on top stagnant water.

A B C D

3. The structure or behavior of many protozoans are amazingly complex for

A B C

single-celled animals.

D

(背面仍有題目, 請繼續作答)

4. Since 1921 the budget of the United States became the primary responsibility of the president.
A B C D
5. Long before the dawn of recorded history, humans celebrated to harvest their crops.
A B C D
6. Slamon spend most of their adult lives in salt water, despite they return to their freshwater birthplaces to spawn and die.
A B C D
7. Film directors can take far great liberties in dealing with concepts of time and space than stage directors can.
A B C D
8. The poet Marianne Moore was initially associated with the imagist movement, but later develops her own thyme patterns and verse forms.
A B C D
9. During the 1600's skilled shoemakers scarce were in what is now the United States.
A B C D
10. Mary McDowell shared Jane Addam's interest in social work also was a loyal supporter of the League of Nations.
A B C D