Source Code & Output :

```python
def find_most_influential_user(social_network):
    most_influential_user = None
    max_friends = -1

    for user in social_network:
        visited = set()
        friends_count = dfs(social_network, user, visited)
        if friends_count > max_friends:
            max_friends = friends_count
            most_influential_user = user

    return most_influential_user, max_friends - 1

social_network = {
    'A': ['B', 'D', 'E' ],
    'B': ['A', 'C', 'E'],
    'C': ['B', 'E','F'],
    'D': ['A', 'E', 'G'],
    'E': ['A', 'B','C','D','F','G','H','I'],
    'F': ['C', 'E','I'],
    'G':['D','E','H'],
    'H':['E','G','I'],
    'I':['E','F','H'],
}

most_influential, num_connected_users = find_most_influential_user
    (social_network)
print(f"The most influential user is: {most_influential}")
```

```
The most influential user is: E
Number of users connected to E:8
```