

In [1]:

```
1 import datetime
2
3 #创建一个列表来存储随机数
4 randomlist = []
5
6 #设置一个数字的随机数作为种子
7 x0 = 6406
8
9 #以randomlist的id后4位为随机数种子
10 #seed = id(randomlist) % 10000
11
12 #以系统时间毫秒数的后4位为随机数种子
13 #seed = datetime.datetime.now().microsecond % 10000
14
15 a = 24298
16 c = 99991
17 m = 199617
18
19 for i in range(0,2000):
20     x0 = (x0*a+c)%m
21     randomlist.append(x0)
22     #print(randomlist[i])
```

In [2]:

```
1 import matplotlib.pyplot as plt
2 plt.scatter(randomlist[:1000],randomlist[1000:])
```

Out[2]:

<matplotlib.collections.PathCollection at 0x2aedc2f9b80>

