

```
function< void(std  
::shared_ptr< smacc2  
::SmaccEventGenerator >)>
```

```
classDiagram
    class FunctionType["function< void(std::shared_ptr< smacc2::SmaccEventGenerator >)>"]
    class Functor["smacc2::introspection::EventGeneratorCallbackFunctor"]
    FunctionType o-- Functor : +fn
```

The diagram illustrates a relationship between a function type and a functor class. The function type, located at the top, is defined as `function< void(std::shared_ptr< smacc2::SmaccEventGenerator >)>`. It is represented by a rectangular box with three horizontal compartments; the top compartment contains the function signature, while the bottom two are empty. Below it is the `smacc2::introspection::EventGeneratorCallbackFunctor` class, shown as a shaded rectangular box with three horizontal compartments; the top compartment contains the class name, and the bottom two are empty. A vertical line connects the bottom of the function type box to the top of the functor class box. This line features an open diamond at the point of connection to the class box, indicating an aggregation relationship. To the right of the line, the text `+fn` specifies the role of the functor within the function.

+fn

```
smacc2::introspection  
::EventGeneratorCallbackFunctor
```