

```
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 other two are empty. Below it is the `smacc2::introspection::EventGeneratorCallbackFunctor` class, represented by a rectangular box with three horizontal compartments, all of which are shaded gray. A vertical line connects the bottom of the function type box to the top of the functor class box. This line terminates in a hollow diamond, which is the UML notation for an aggregation relationship. To the right of the line, just above the diamond, is the label `+fn`, indicating that the function type is associated with the functor class via a member function named `fn`.

+fn

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