tf.contrib.bayesflow.csiszar_divergence.squared_hellinger

```
squared_hellinger(
    logu,
    name=None
)
```

Defined in `tensorflow/contrib/bayesflow/python/ops/csiszar_divergence_impl.py`.

The Squared-Hellinger Csiszar-function in log-space.

A Csiszar-function is a member of,

```
F = { f:R_+ to R : f convex }.
```

The Squared-Hellinger Csiszar-function is:

```
f(u) = (sqrt(u) - 1)**2
```

This Csiszar-function induces a symmetric f-Divergence, i.e., `D_f[p, q] = D_f[q, p]`.

⚠ **Warning:** this function makes non-log-space calculations and may therefore be numerically unstable for `|logu| >> 0`.

Args:

- `logu`: `float`-like `Tensor` representing `log(u)` from above.
- `name`: Python `str` name prefixed to Ops created by this function.

Returns:

- `squared_hellinger_of_u`: `float`-like `Tensor` of the Csiszar-function evaluated at `u = exp(logu)`.

Last updated November 2, 2017.