Author's comment on "Pseudo-differential operators and Markov semigroups on compact Lie groups."

- Four lines above Theorem 2.1, we should have $\Phi_t : E \times \Omega \to E$ and not $\Phi_t : E \times \Omega \to \Omega$.

- The definition of Lévy measure given in this paper isn't quite right. It has the same defect as that in "Some L^2-properties of semigroups of measures on Lie groups." See the comment there for the correct formulation. Similarly the definition of the Lévy kernel in section 6 should read

  $$\sup_{g \in G} \int_{G-\{e\}} \left(\sum_{i=1}^{n} x_i(\sigma)^2 \right) \nu(g, gd\sigma) < \infty \text{ and } \sup_{g \in G} \nu(g, gU^c) < \infty$$

  for all neighbourhoods U of e.

  This does not affect any of the results in the paper.

- In (5.22), (5.23) and (6.24), $\int_{G-\{e\}}$ should be $\int_G$.

I emphasise that when I use the term (almost everywhere) in relation to infinite series, e.g. as in two lines below (3.3), and in (3.7), I do not mean that the series converges almost everywhere, but that the given identity of L^2 vectors holds everywhere, except on a set of measure zero. In fact, it seems to be an open question as to whether general L^2-convergent Fourier series on compact groups are almost everywhere convergent. This holds on the torus; it is Carleson's theorem.